

APOLLO 201 NEWS CENTER
NASA Manned Spacecraft Center
Houston, Texas

NEWS RELEASE NO. 1

February 23, 1966

SUBJECT: Apollo/Saturn 201 Flight Controller and Recovery Assignments

HOUSTON, TEXAS -- Real-time, in-flight analysis of the trajectory and spacecraft systems will be the flight control function of the Mission Control Center, Houston, during the Apollo/Saturn 201 unmanned suborbital flight.

This analysis will be accomplished through use of facilities of the Air Force Eastern Test Range augmented by tracking from the Rose Knot tracking ship.

The MCC-H and other sites will be staffed by flight controllers and other personnel during the flight in much the same manner as past manned flights.

However, there are fewer tracking stations, the flight surgeon's console will not be manned, and no astronauts will be assigned duty at consoles in the Mission Operations Control Room (MOCR). Only a one shift operation will be required during this Apollo flight.

Brig. Gen. C. H. Bolender (biography attached) will serve as the Apollo/Saturn 201 mission director. He will handle his duties from the Mission Control Center, Houston, which has direct responsibility for mission success from the final countdown through spacecraft recovery.

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In case of a communications failure or if time does not permit direct and detailed control from the MCC-H in final phases of the flight, control responsibility will revert to the command communicator aboard the tracking ship Rose Knot.

If an onboard failure occurs, certain vehicle functions will be initiated using remoted facilities of the MCC-H or the tracking ship. This command capability is applicable only in assisting certain gross maneuvers and does not provide a complete command control backup of all spacecraft functions.

Assignments for the AS 201 mission for the MOCR will be:

Flight Director: Glynn S. Lunney, 29, was born in Old Forge, Pa. He received his BS degree in aeronautical engineering from the University of Detroit. Lunney joined NASA's predecessor NACA in August 1955. Real-time inflight analysis of the Apollo 201 mission as associated with mission trajectory and vehicle systems will be under the direction of Lunney during the flight. Inflight command control of certain functions will be initiated under Lunney's direction from the MCC-H in the event of onboard failures.

Assistant Flight Director: Lawrence S. Canin, 30, was born in Brooklyn, N. Y. He received a BS degree in electrical engineering in 1962 from Los Angeles State College and joined NASA in March 1965.

Operations and Procedures: John H. Temple and Herbert E. Porter. Temple, 25, was born in Miami, Fla. He has a BS degree in aerospace

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engineering from the University of Texas in 1963, and joined NASA in June 1963. Porter, 25, was born in Hansboro, N. D., and received his BS degree in Mechanical engineering from North Dakota State in 1963. He joined NASA in December 1964.

Booster Systems Engineer: Charles W. Casey (No. 1) and Dexter H. Burdeshaw (No. 2). Casey, 33, was born in Rome, Ga., and received his BS degree in physics from North Georgia College in 1955. He joined NASA in July 1960. Burdeshaw, 34, was born in Birmingham, Ala., and received a BS degree in mathematics and physics from Howard College in Birmingham. He joined NASA in January 1961.

Electrical, Environmental and Communications Systems Engineers (EECOM): David B. Pendley, 40, was born in Hackensack, N. J. He received a BS degree in engineering science from the University of Miami in 1949. He joined NASA in November 1961.

Guidance, Navigation and Communications (GNC) Engineer: Louis A. DeLuca, 39, was born in Detroit, Mich. His major area of study was in engineering and mathematics and he joined NASA in October 1962.

Systems Backup: John P. Meszaros, 34, was born in San Antonio, Tex. He received his BS degree in aeronautical engineering from the University of Texas in 1958, and joined NASA in September 1962.

Retrofire Officer: Charles F. Deiterich, 27, was born in Mahoning, Pa. He received his BA degree in physics and mathematics

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in 1960 from the University of St. Thomas, Houston. He joined NASA in August 1964.

Yaw Guidance Officer: George F. Guthrie, 34, was born in Norristown, Pa. He received a BS degree in aeronautical engineering from Pennsylvania State University, and joined NASA in April 1959.

Pitch Guidance Officer: Granville E. Paules, 28, was born in Columbia, Pa., and received a BS degree in electrical engineering from the University of Texas in 1960. He joined NASA in September 1964.

Network Controller: Andreus A. Piske and Richard G. Ayers. Piske, 32, an Air Force captain, was born in Metairie, La. He is a U.S. Naval Academy graduate and received his MS degree in aeronautical engineering from the Air Force Institute of Technology. Ayers, 29, was born in Raton, N. M. He is a graduate of the University of Arizona and is a lieutenant in the U.S. Air Force.

Support Control Coordinator: John F. Childress, 24, was born in Tyler, Tex., and received his BS degree in mathematics from Lamar Tech in Beaumont, Tex. He joined NASA in June 1963.

Maintenance and Operations (M&O) Supervisor for the mission is R. B. Cagel.

Public Affairs Officer for AS 201 mission commentary will be Paul Haney.

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Staff Support Room (SSR) assignments for the AS 201 mission in the Mission Control Center, Houston:

Flight Dynamics SSR: Maurice G. Kennedy, James M. Payne, John G. Renick, and Willard S. Presley.

Vehicle Systems SSR-CSM: Seymour A. Liebergot, Myles E. Franklin, Donald Turcola, Joe R. Perry, Joseph E. Borches, and Alfred P. Sanders.

Vehicle Systems SSR-Booster: Frances E. Dagenais, Gordon V. Doolittle, John W. Smith, and William H. Shook.

Operations and Procedures SSR: Wayne W. Buford, H. Russel Goodwin, and Edward Beatty.

Flight Crew SSR: Jeremy B. Jones, William M. Anderson, David C. Schultz, K. McClung, and Michael K. Lake.

RTCC Computer Controllers for the AS 201 mission in the MCC-H are: Henry Howell and Gene Carlow, computer supervisors; Bailey L. Corbett and Larry J. Dungan, data select; James H. Summers and B. L. Brady, computer dynamics; James R. Roundtree and Rich Harrington, computer telemetry; and C. Boline, operational readiness and confidence testing.

Rose Knot tracking ship assignments for the AS 201 mission are:

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Spacecraft Communicator: Perry L. Ealick and Stuart M. Present. Ealick, 28, was born in Ponca City, Okla. He received a BS degree in electrical engineering and mathematics from the U.S. Naval Academy in 1959 and joined NASA in July 1964. Present, 35, was born in Brooklyn, N. Y. and received a BS degree in civil engineering from the University of Wisconsin in 1962. He joined NASA in August 1963.

Guidance, Navigation and Communications: Briggs N. Willoughby, 31, was born in Shamrock, Tex. He received a BS degree in engineering and physics from the University of Colorado in 1963 and joined NASA in September 1964. GNC backup is Howell B. Wong.

EECOM: William L. Blair.

S-IVB: Myron C. Hayes.

The NASA Recovery Coordinator, in the Recovery Control Room in MCC, Houston, will be Robert F. Thompson. Thompson, 40 was born in Bluefield, Va., and received a BS degree in aeronautical engineering from Virginia Polytechnic Institute. He is responsible to the flight director for coordination of all recovery activities. Assisting in the RCR, Houston will be Donald E. Stullken, assistant coordinator; J. O. Sayler and John E. Hoover, display; R. Wayne Empey and Jerry E. Hoisington, evaluators; and Joe R. Vice, status.

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Recovery assignments onboard ships: William B. Wood and Steve Ellis, DD USS Wilson, station 1; W. J. Stork, DD USS Waldron, station 2; William G. Robinson, DD USS Ingram, station 3; Warren H. Glenn, AO USS Kaskaskia, station 4; Coye Mac Jones, DD USS Turner, station 5; and the LPH USS Boxer, station 6, John C. Stonesifer, Thomas E. Holt, William R. Chase, Lonnie D. Thomas, Donald G. Morris, and Roderick S. Bass (Safing Team).

Other remote assignments: Dale E. Moore, Dakar; Frederick C. Sponholz, Bermuda; William A. Middleton, Alan F. Myers, Milton L. Windler, and Edward C. Bullock, Ascension.

Recovery Control Room at Cape Kennedy: Harold E. Granger, coordinator; Robert L. Tweedie, safing team; Ryborn R. Kirby, Carter F. Yeatman, and Harold V. Neher, Central Control (Cape).

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APOLLO 203 NEWS CENTER

NEWS RELEASE

SUBJECT: Apollo Saturn 203 Flight Controller Assignments

HOUSTON, TEXAS---The Mission Control Center, Houston, and other sites will be staffed during the Apollo/Saturn 203 mission by flight controllers and other personnel from the NASA Manned Spacecraft Center and Marshall Space Flight Center.

Because of the short duration of the AS203 mission, only one team of flight controllers will be necessary. No recovery people will be assigned to this mission as no recoverable vehicle is on this flight.

Real-time in-flight analysis of the mission as associated with trajectory and vehicle systems will be the flight control function of the MCC-H as augmented by the various tracking sites around the world.

Mission direction of the AS203 mission will be provided by Mission Director Capt. Roderick O. Middleton, USN, at the MCC-H throughout the mission. Middleton is on assignment to NASA from the U.S. Navy, as deputy director of Mission Operations, Office of Manned Space Flight, NASA Headquarters and

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as a special assistant to the Apollo Program Director, NASA Headquarters. He joined NASA in October 1965. Middleton was born in Pomona, Fla. He attended Florida Southern and is a 1941 U.S. Naval Academy graduate. He was awarded a master of science degree from Harvard University in 1946.

Flight Director: John D. Hodge, 37, was born in Essex, England. He received a BS degree in engineering from the University of London. Hodge joined NASA in April 1959. As director of the AS203 mission, Hodge will be responsible for detailed control of the flight, for the implementation of mission objectives and for making decisions which might change the flight plan and mission rules on an as-necessary basis.

Assistant Flight Director: Stuart M. Present, 36, was born in Brooklyn, N.Y. He was graduated from the University of Wisconsin with a BS degree in civil engineering and joined NASA in August 1963. During the flight, he will assist the flight director in the detailed control of the mission and assume full responsibility during the absence of the flight director from the control room.

Flight Director's Experiment Representative: Gordon Platt, 31, was born in Pratt, Kan. He has a BS in mechanical engineering from Kansas State and an MS degree from the University of Alabama.

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He joined NASA, Marshall Space Flight Center (MSFC) in July 1960. Platt will advise the flight director as required on the experimental AS203 mission. He is the senior MSFC representative present at MSC for the mission.

Operations and Procedures Officers for the mission will be Merril A. Lowe, Herman R. Goodwin and Louis E. Mercier. They will be responsible to the flight director for detailed implementation of the MCC/GOSS (ground operational support systems); implementation of remote site flight controller scheduling and operation; flight controller communication network discipline; and monitoring all mission control teletype traffic.

Lowe, 42, was born in Hunter, Mo. He was graduated from Washington University, St. Louis, with a BS degree in civil engineering. He joined NASA in May 1964.

Goodwin, 24, was born in Elk City, Okla. He was graduated from Southwestern State College, Weatherford, Okla. with a BS degree in mathematics and physics. He joined NASA in June 1964.

Mercier, 35, was born in Kansas City, Kan. He was graduated from the University of Kansas City with a BS degree in physics. He joined NASA in December 1964.

Booster Systems Engineer No. 1: Charles W. Casey, 33, was born in Rome, Ga. He has a BS degree in physics from North

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Georgia College, Dahlonega, Ga. He joined NASA (MSFC) in July 1960. He will be responsible to the flight director for monitoring the SLV propulsion system, propellant containers and pressurization systems.

Booster Systems Engineer No. 2: Dexter H. Burdeshaw and Robert K. Wolf will be responsible for monitoring and evaluating the status of the SLV digital computer system, guidance and navigation system, attitude control system and sequential system.

Burdeshaw, 28, was born in Birmingham, Ala. He was graduated from Howard College, Birmingham, Ala. with a BS degree in mathematics and physics. He joined NASA (MSFC) in January 1961.

Wolf, 36, was born in Yonkers, N.Y. He received a BS degree in mechanical engineering from Purdue University. He joined NASA (MSFC) in September 1962.

Experiments Systems Engineer: Carl D. Arnett, 28, was born in McArthur, Ohio. He received a BS degree in mechanical engineering from Ohio University. He joined NASA (MSFC) in June 1960. He will be responsible to the flight director for monitoring the experiments systems and for initiating necessary commands in the event of systems failures.

Flight Dynamics Officer: Maurice G. Kennedy, 25, was born in Cameron, Tex. He was graduated from the University of

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Texas with a BS degree in aerospace engineering. He joined NASA in February 1965. He will be responsible to the flight director for monitoring the powered flight phase of the mission, orbital events, and trajectories from the standpoint of mission success.

Guidance Officer: Granville E. Paules, 29, was born in Columbia, Pa. He was graduated from the University of Texas with a BS degree in electrical engineering. He joined NASA in September 1964. He will be responsible to the flight director for monitoring guidance, sequential and propulsion systems.

Network Controllers: Ernest L. Randall and George T. Jenkins will be responsible to the flight director for capability of the network instrumentation required to support the flight.

Randall, 30, was born in Oklahoma City, Okla. He has a BS degree in chemistry from East Central State College, Ada, Okla. He joined NASA in June 1963.

Jenkins, 29, was born in Norfolk, Va. He received a BS degree in aeronautical engineering from Georgia Tech. He joined NASA in September 1962.

Support Control Coordinator for the mission will be John F. Childress.

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Maintenance and Operations Supervisors for the AS203 mission will be Ronald B. Cagle, John W. Collins, Douglass R. Wilson, and Clifton W. Phillips.

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Mission Operations Control Room Assignments

Flight Director	John D. Hodge
Flight Director's Experiment Representative	Gordon Platt (MSFC)
Assistant Flight Director	Stuart M. Present
Operations and Procedures	Merril A. Lowe, Herman R. Goodwin, Louis E. Mercier
Booster Systems Engineer No. 1	Charles W. Casey
Booster Systems Engineer No. 2	Dexter H. Burdeshaw, Robert K. Wolf
Experiments System Engineer	Carl D. Arnett (MSFC)
Flight Dynamics Officer	Maurice G. Kennedy
Guidance Officer	Granville E. Paules
Network Controller	Ernest L. Randall, George T. Jenkins
Support Control Coordinator	John F. Childress
M and O Supervisor	Ronald B. Cagle, John W. Collins, Douglass R. Wilson Clifton W. Phillip
Public Affairs Officer	Albert M. Chop
Photographic Support	Andrew R. Patnesky, Louis M. Kidd

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Staff Support Room Assignments

Flight Dynamics SSR:

(To be assigned)

Vehicle Systems SSR (CSM)

N/R

Vehicle Systems SSR (Booster):

PSS

Richard E. Holmen;

GND

William H. Shook;

ENS

John A. Smith;

ACS

Miles R. Robinson.

O and P SSR:

Requirements Change Control

Richard L. Brown,
Lawrence C. Bourgeois,
Carrol D. Buford;

Command Support

Joseph P. Vick;

TLM Support

Charles E. Swearingen;

Secretary

Connie R. Turner.

Network SSR:

(To be assigned)

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RTCC Computer Controllers

Complex Supervisor:	Roger Forte/Neil Hutchinson/John C. Koester
Data Select (Launch):	Bailey L. Corbett/Richard L. Morrison/ Larry L. Gourley
Data Select (Orbit):	Robert A. Folk/Robert D. Allen/James A. Helr
Computer Dynamics:	James H. Summers/Buford L. Brady/ David B. Cary/Samuel B. Crossland
Computer Telemetry:	Jimmy E. Beaves/Homer Embry/Douglas B. Speer Jack B. Stevenson/James L. Powel
Computer Command:	James H. Dobbins/Edward J. Zatopek/ Freddie R. Heath/John C. Broughton
Printer:	Charles T. Jacobsen/Carl L. Smith
Executive:	Walter Lingo/Robert G. Bleisner

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Remote Site Assignments

KSC (Kennedy Space Center)

ESE (Experiment Systems Engineer) Franklin L. Van Rensselaer

BDA (Bermuda)

ESE Frank E. Swalley,
William F. Nelson,
(John D. Schweikle, Douglas
Aircraft)

CapCom Perry L. Ealick

TEX (Texas)

ESE Jarold L. Vaniman,
(Russel T. Nehr, Douglas
Aircraft)

CRO (Carnarvon)

CapCom Arda J. Roy

S-IVB Myron C. Hayes (IBM)

ESE Charles E. Mundie
(Ronald A. Ammons, Douglas
Aircraft)

CYM (Guaymas)

CapCom Lawrence S. Canin

S-IVB Roy E. Day (IBM)

ESE William M. McCumber
(Douglas Aircraft)

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GEMINI 10 NEWS CENTER

HOUSTON, TEXAS

NEWS RELEASE NO. 3

July 13, 1966

SUBJECT: Gemini 10 Flight Controllers

HOUSTON, TEXAS -- Manned space flight controllers in the Mission Control Center, Houston (MCC-H) for the Gemini 10 mission will be on a three shift basis with two prime flight directors.

The three shifts will normally break about every eight hours. The relief team of flight controllers will come on duty about one hour prior to the shift change time and this overlap of shifts will provide the team going off an opportunity to brief the relief team.

Mission Director for Gemini 10 will be William C. Schneider, with responsibility for overall conduct of the flight. He will be supported during the mission period by Department of Defense, contractor, NASA and other personnel. Schneider is deputy director, mission operations, Office of Manned Space Flight, NASA Headquarters.

Department of Defense support of the mission will be headed by Air Force Lt. Gen. Leighton I. Davis, manager of the National Range Division and DOD manager for Manned Flight Support Operations. DOD support includes launch services at Cape Kennedy, tracking facilities and necessary forces for recovery operations.

Schneider's command staff for the Gemini 10 mission will also include weather and public affairs people. U.S. Weather Bureau personnel at a number of locations including Cape Kennedy, MCC-H, and Honolulu, Hawaii, will be responsible for keeping the mission director advised of weather conditions along the ground track of the flight during preflight, flight and postflight periods. The public affairs team assisting the mission director is headed by Paul Haney, MSC Public Affairs Officer. Haney and his assistants

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will be responsible for relaying to the news media representatives all vital information concerning the flight.

Christopher C. Kraft, Jr., director for Flight Operations at the Manned Spacecraft Center, will be in the MCC-H during major phases of the flight in his capacity as head of flight operations at MSC. Kraft was flight director for the Project Mercury flights and was flight director for Gemini flights one through seven.

Kraft, 42, was born in Phoebus, Va. He was graduated from Virginia Polytechnic Institute with a bachelor of science degree in aeronautical engineering and has been with NASA and its predecessor NACA (National Advisory Committee for Aeronautics) since January 1945.

Flight directors for Gemini 10 are Glynn S. Lunney and Clifford E. Charlesworth. They will head the two shifts that handle the major phases of the flight and be responsible for detailed control of the Gemini 10 mission. Lunney and/or Charlesworth will sleep in the facility provided for key personnel in the lobby wing of the MCC-H, and be available if needed during the flight when not on duty.

Responsibilities of the flight directors include implementation of mission objectives and making changes that might change the flight plan and mission rules on an as-necessary basis.

Lunney, 29, was born in Old Forge, Pa. He received his BS degree in aeronautical engineering from the University of Detroit. He has been with NASA and its predecessor NACA since August 1959. Lunney was flight director for the Apollo/Saturn 201 and the Gemini 9 missions.

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Charlesworth, 35, was born in Redwing, Minn. He received his BS degree in physics from Mississippi College, Clinton, Miss. and has been with NASA since April 1962. Charlesworth was a flight director on the Gemini 9 mission.

Assistant flight directors for the Gemini 10 mission will be Jones W. Roach, Charles S. Harlan and Donald R. Butler. During the mission they will assist the flight director in the detailed control of the mission and will assume full responsibility during the absence of the flight director from the control room.

Roach, 31, was born in Richmond, Va. He was graduated from Virginia Military Institute with a bachelor of science degree in electrical engineering and has been with NASA since September 1962.

Harlan, 31, was born in Paducah, Ky. He was graduated from the University of Kentucky with a BS degree in mechanical engineering and joined NASA in June 1962.

Butler, 35, was born in Louisville, Ky. He was graduated from the University of Kentucky with a BS degree in agriculture. He is a major in the Air Force and has been on detached duty with NASA since September 1965.

Operations and Procedures Officers for Gemini 10 will be Robert G. Britton, Larry W. Keyser, and Donald E. Holkan. They will be responsible to the flight director for detailed implementation of the MCC/GOSS (ground operational support system); implementation of remote site flight controller scheduling and operations; flight controller communications network discipline; and monitoring all mission control teletype traffic.

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Britton, 29, was born in Bryan, Tex. He is a Philco employee assigned to the Flight Control Division at MSC.

Keyser, 29, was born in Sundance, Wyo. He was graduated from the University of Wyoming with an MS degree in statistics. He joined NASA in July 1963.

Holkan, 25, was born in Rosebud, S. D. He was graduated from W Southwestern State College, Weatherford, Okla., with a BS degree in physics. He has been with NASA since August 1962.

Medical Director for the Gemini 10 mission will be Dr. Charles A. Berry. He will be in the MCC-H during the major phases of the flight in his capacity as director of Medical Research and Operations at MSC.

Berry, 41, was born in Rogers, Ark., and received BA and MD degrees from the University of California. He was graduated from the Harvard School of Public Health with a master of public health degree. Berry has been with NASA since June 1963.

Flight Surgeons assigned to the Gemini 10 mission are Drs. A. D. Catterson, and G. Fred Kelly. They are responsible for advising the flight directors of astronaut status during the flight. They will also keep the flight director informed of any obvious physical abnormalities noted.

Catterson, 35, is in the office of the director, Medical Research and Operations. He was born in Denver, Colo., and received both his BA and MD degrees from the University of Colorado. He has been with NASA since June 1962.

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Willoughby, 31, was born in Shamrock, Tex. He was graduated from the University of Colorado with a BS degree in engineering physics. He joined NASA in September 1964.

Aldrich, 28, was born in Arlington, Mass., and received a BS degree in electrical engineering from Northeastern University in Boston. He has been with NASA since June 1961.

The Electrical, Environmental and Communications Systems Engineers for the Gemini 10 mission will be John W. Aaron, William C. Burton, Richard D. Glover, John A. Delmont, Lloyd V. Howard, and Thomas R. Loe. They are responsible for monitoring various activities in order to stay abreast of the spacecraft status, and for correlating MCC display readouts with those appearing in the spacecraft. Any significant readout discrepancies are resolved with the MCC telemetry supervisor.

Aaron, 23, was born in Wellington, Tex., and was graduated from Southwestern State College, Weatherford, Okla., with a BS degree in mathematics and physics. He joined NASA in June 1964.

Burton, 36, was born in Penelope, Tex. He was graduated from the University of Houston with a BS degree in physics and mathematics and joined NASA in August 1964.

Glover, 31, was born in Chicago, Ill., received BS and MS degrees in electrical engineering from the University of Texas. He joined NASA in November 1963.

Delmont, 28, was born in Buffalo, N. Y. and was graduated from the University of Buffalo with a BS degree in mechanical engineering. He joined NASA in October 1965.

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Howard, 24, was born in Klamath Falls, Ore. and was graduated from Oregon State University with a BS degree in chemical engineering. He joined NASA in September 1965.

Loe, 28, was born in Beaumont, Tex. and was graduated from Lamar State School of Technology with a BS degree in mechanical engineering. He joined NASA in April 1963.

Agena Flight Controllers for the Gemini 10 mission will be Melvin F. Brooks, Bruce H. Walton, and James E. Saultz. Their responsibility to the Gemini flight director is to insure that the Agena vehicle adheres to the flight plan. They will also send commands if it is necessary to maneuver the Agena to accomplish the rendezvous between Agena and Gemini 10. After the Gemini portion of the mission is completed, they will continue to send commands to the Agena.

Brooks, 37, was born in Oshkosh, Wisc. He was graduated from Purdue University with a BS degree in physics and mathematics. Brooks joined NASA in May 1962.

Walton, 35, was born in Chicago, Ill., and was graduated from the California State Polytechnic College with a BS degree in electrical engineering. He joined NASA in June 1963.

Saultz, 36, was born in Belton, Mo., and was graduated from the Missouri Schools of Mines and Metallurgy, Rolla, Mo. with a BS degree in electrical engineering. He joined NASA in May 1964.

Agena Systems Engineers for the Gemini 10 mission will be Harold A. Loden, Bernard R. Brabant and Robert L. Carlton. They will be responsible for detailed systems analysis of the Agena vehicle during the mission

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Loden, 29, was born in Doucette, Tex., and was graduated from Texas A&M with a BS degree in electrical engineering. He joined NASA in June 1964.

Brabant, 29, was born in Fall River, Mass. He is a Philco systems engineer on contract to NASA since March 1965.

Carlton, 36, was born in Charles City, Iowa. He was graduated from Auburn University, Auburn, Ala., with a BS degree in mechanical engineering and joined NASA in November 1964.

Flight Dynamics Officers for the Gemini 10 mission will be Jerry C. Bostick, Stewart L. Davis, and Edward L. Pavelka. They will be responsible to the flight director for monitoring the powered phase of the mission, orbital events, and trajectories from the standpoint of mission success. They will also transmit radio frequency commands to the spacecraft and launch vehicle, monitor reentry trajectories, and update landing point estimates.

Bostick, 27, was born in Golden, Miss., and was graduated from Mississippi State University with a BS degree in civil engineering. He joined NASA in January 1962.

Davis, 30, was born in Bismark, N. D., and was graduated from the University of Texas with a BS degree in aeronautical engineering. He joined NASA in July 1964.

Pavelka, 27, was born in Houston, Tex. He was graduated from the University of Texas with a BS degree in aerospace engineering and joined NASA in January 1962.

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Retrofire Officers for the Gemini 10 mission will be Thomas F. Carter, William P. Gravett, and David V. Massaro. They will be responsible to the flight director for determination and transmission of retrofire times, either in the event of an abort, a contingency landing situation, a landing at the end of an orbit, or the landing at the end of the nominal mission.

Carter, 27, was born in Quitman, Miss. He was graduated from Mississippi State College with a degree in civil engineering. He joined NASA in September 1962.

Gravett, 26, was born in Cincinnati, Ohio, and was graduated from the University of Florida with a BS degree in physics and mathematics. He joined NASA in January 1965.

Massaro, 30, was born in San Antonio, Texas, and was graduated from St. Mary's University in San Antonio with a BS degree in mathematics. He joined NASA in February 1964.

Guidance Officers for the Gemini 10 mission will be William E. Fenner, Kenneth W. Russell, and Stephen G. Bales. They will be responsible to the flight director for monitoring guidance systems and performance of the Gemini inertial guidance systems.

Fenner, 35, was born in Edna, Tex. and was graduated from Texas A&M with a BS degree in electrical engineering. He joined NASA in August 1964.

Russell, 28, was born in DeRidder, La., and was graduated from the University of Southwestern Louisiana with a BS degree in electrical engineering.

Bales, 23, was born in Ottumwa, Iowa, and was graduated from Iowa State University with a BS degree in aeronautical engineering. He joined NASA in December 1964.

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Support Control Coordinators for the Gemini 10 mission will be Ledrieu L. Linson, Phillip N. Barnes, and George Metcalf. Their responsibility is to monitor the contract people working on the mission and also man one of the positions on the M&O console.

Linson, 43, was born in Knox County, Mo., and studied engineering at the University of South Carolina. He joined NASA in January 1965.

Barnes, 29, was born in Holdenville, Okla., and was graduated from East Central State College, Ada, Okla., with a BS degree in mathematics. He joined NASA in January 1964.

Metcalf, 35, was born in Lebanon Junction, Ky., and studied electronics at the University of Florida. He joined NASA in September 1964.

Maintenance and Operations Console will be manned also by John W. Collins, Douglas R. Wilson and Clifton W. Phillips, all of Philco.

Network Controllers for the Gemini 10 mission will be Ernest L. Randall, Richard Ayers, George Ojalehto, and Lloyd H. White.

Randall, 31, was born in Oklahoma City, Okla., and was graduated from East Central State College, Ada, Okla., with a BS degree in chemistry. He joined NASA in June 1963.

Ayers, 28, was born in Raton, N. M. He is a graduate of the University of Arizona and is a lieutenant in the USAF.

Ojalehto, 30, was born in Maynard, Mass. and is a U.S. Naval Academy graduate. He is a captain in the U.S. Air Force.

White, 45, was born in Huntsville, Tex. and was graduated from the University of Texas with a BS degree in meteorology. He joined NASA in June 1965.

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GEMINI 10 MCC-H/MOCR MANNING

	<u>Shift I</u>	<u>Shift II</u>	<u>Shift III</u>
Flight Director	Glynn S. Lunney		Clifford E. Charlesworth
Assistant Flight Director	Jones W. Roach	Charles S. Harlan	Donald R. Butler
Procedures	Robert G. Britton	Larry W. Keyser	Donald E. Holkan
Medical Director	Dr. Charles A. Berry		
Flight Surgeon	Dr. A. D. Catterson	Dr. G. Fred Kelly	
S/C Communicator	Col. L. Gordon Cooper	Maj. Edwin E. Aldrin	
Booster Systems Engineer	Donald R. Butler		
Tank Monitor	Lt. Cdr. M. Scott Carpenter		
GNC Engineer	Gary E. Coen	Gerald D. Griffin	Arnold D. Aldrich
		Briggs N. Willoughby	
EECOM	John W. Aaron	Richard D. Glover	Lloyd V. Howard
	William C. Burton	John A. Delmont	Thomas R. Loe
Agena	Melvin F. Brooks	Bruce H. Walton	James E. Saultz
Agena Systems	Harold A. Loden	Bernard R. Brabant	Robert L. Carlton
Flight Dynamics Officer	Jerry C. Bostick	Stewart L. Davis	Edward E. Pavelka
Retrofire Officer	Thomas F. Carter	William P. Gravett	David V. Massaro
Guidance Officer	William E. Fenner	Kenneth W. Russell	Stephen G. Bales
Support Control Coordinator	Ledrieu L. Linson	Phillips N. Barnes	George Metcalf
Network Controller		George D. Ojalehto	
	Ernest L. Randall	Lloyd H. White	
	Richard Ayers		
M&O Console	John W. Collins	Douglas R. Wilson	Clifton W. Phillips
Public Affairs Officer	Paul Haney	Robert T. White	John E. Riley
	Allison M. Bond	Sol B. Weil	Edward L. Worrell

--more--

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News Release No. 3

GEMINI 10 MCC-H/MOCR MANNING

	<u>Shift I</u>	<u>Shift II</u>	<u>Shift III</u>
Photographic Support	Andrew R. Patnesky Louis M. Kidd		
Briefing, (Training Sims) VIP Room	Carl B. Shelley	Gerald D. Griffith	
Systems Support	Donald O. Bray Joseph N. DeAtkine	William J. Strahle	Michael Heinz
Secretary	Virginia Engle		
Experiments Console	James A. Campbell	Billie G. Edwards	William K. Stephenson

NASA HEADQUARTERS

John A. Edwards
Robert O. Aller
George R. Blicht
Robert B. Sheridan
Edgar L. Harkelroad

--more--

GEMINI-LO VEHICLE SYSTEMS SSR-AGENA

	<u>Shift I</u>	<u>Shift II</u>	<u>Shift III</u>
CMD	William L. Peters Frederick R. Wentland	Hershel R. Perkins (PHO) Don L. Parrish	Charles L. Gruby Charles E. Whitsett
ELEC	Thomas E. Weichel	Donald J. McDonald	Leonard E. Nicholas
Guidance	William E. Sturm Charles V. Whitmore	Edwin E. Marzano Jerry C. Elliot	Jackson B. Craven Floyd E. Page
Prop.	Bruce A. Stach Jerome M. Sisk	John A. Wegener Larry W. Strimple	Carroll E. Hopkins Glenn W. Watkins
CSD LEM ECS Trainees	Fred A. Frere James F. Nelson		
SPICK	Wilbur L. Lynch Warren J. Kennedy R. D. Newman Capt. Phillip N. Sayler Capt. Joseph Koehly Lt. L. R. Caldwell	J. Z. Svoboda Kemp D. Owen James R. Thieme	

VEHICLE SYSTEMS SSR-GEMINI

	<u>Shift I</u>	<u>Shift II</u>	<u>Shift III</u>
Elec	Charles M. Jones Donald Turcola	Robert J. Walsh Joel V. Fears	David A. Floyd David R. Lund
Environ/CSD Personnel	Morton Silver Larry Bell Charles Crews	Roger Tanner Elton Tucker	Hubert V. Grogan Joe McMann Marshall Horton
Prop	James L. Walker Joseph E. Borches	Bartus Batson John L. Ferry	Jerry Reddell Frank J. Mussato
SPAN	Dana L. Boatman J. J. Williams	Ronald D. Tunncliffe	Richard T. Brown
Secretary	Ada W. Moon		
GPO	Steve Andrich William Humphrey Horace Whitaker	--more--	

GEMINI-10 AEROMED SSR

Shift I

Dr. John Zieglschmid
Russell H. Hair
Judith B. Banks

Shift II

Dr. John J. Droescher
Coy Z. Foster
Lynda K. Richter

Shift III

Dr. Howard A. Minners
Dr. Corrin J. Hodgson
Netha Mayberry

OPERATIONS AND PROCEDURES SSR (O&P)

Shift I

Erskine P. Diamond (PHO)
Jim Maeger

Shift II

Billy T. Hervey
Earl Carr (PHO)

Shift III

Command Support

TLM Support

Plans

Requirements Support

Secretary

Requirements Change
Control

Edward B. Beatty (PHO)

Frank J. Loch

Wanda K. O'Brien

Lawrence S. Bourgeois
Richard L. Brown

--more--

GEMINI-10 RTCC COMPUTER CONTROLLER

<u>Position</u>	<u>Shift I</u>	<u>Shift II</u>	<u>Shift III</u>
Complex Supervisor	Kim Lovinggood	Tom Tucker	James P. Walker
Data Select	Thomas M. Conway R. Williams	J. Davis	Bryan Conry L. Tharp
Computer Dynamics	Eugene Juarez *Art Anicetti	E. Schoonover *E. Kramer	Eldon G. Clayton B. Donbroski
Computer Command	Richard A. Wells J. Reece	Gary Luther	B. Babb
Computer T/M	Jessie H. Cromwell B. Lybarger	L. Rude	D. Fitzgerald
Printer Controller	G. Jackson	B. Furner	R. Myers
Executive	G. Thorsen B. Bliesner	S. Carter W. Lingo	H. Schultz J. Harris

*Indicates individuals are stationed at the console in an advisory capacity for the mission planning exercises only.

--more--

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News Release No. 3

GEMINI-10 FLIGHT DYNAMICS SSR

	<u>Shift I</u>	<u>Shift II</u>	<u>Shift III</u>
Trajectory Support	Larry D. Davis	Michael A. Collins	Charles Allday
Norad/Vector	Donald J. Incento	Fred McCreary	Richard Moore
Reentry Specialist	Jon C. Harpold		David Box
GLV Guidance Specialist	Don Nelson		
Rendezvous Specialist	Edgar G. Lineberry Kenneth Young	Bob K. Culpepper Robert Regelbrugge	Robert W. Becker Robert McDonough
Math Aids	Sherry Tilson William Walker Irene Horsington		Mary Ann Richards Hazel Bryan Molly Hornsby
Retro Support	Robert C. White		

SIMULATED REMOTE SITE

Systems Engineer	Joseph Fuller Gene F. Muse
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GEMINI-10 REMOTE SITE MANNING

<u>SITE</u>	<u>CAPCOM</u>	<u>GEMINI SYSTEMS</u>	<u>AGENA SYSTEMS</u>	<u>AEROMED</u>
CYT	William G. Bastedo	Ted A. White	Robert D. Legler (PHO) Eugene G. Langenfield	Cmdr. R. W. Matter, M.C., USN
CRO	James R. Fucci (PHO)	John E. Walsh (PHO)	Paul D. Nering Harry Smith (PHO)	W/C Morrison, M.C., RAAF
HAW	Edward I. Fendell	Albert W. Barker (PHO)	George P. Contois (PHO) David W. Stell	Maj. O. Barrett, M.C., USA
GYM	Harold M. Draughon	James F. Moser (PHO)	Luis J. Espinoza (PHO) James A. Joki	Lt. Cmdr. R.A. Millington, M.C., USN
CSQ	Gary B. Scott	Floyd E. Claunch (PHO)	Harold V. Berlin (PHO) Jack C. Flatt (PHO)	Maj. J.P. Young, M.C., USAF
RKV	William F. Buchholz	George W. Conway (PHO)	Williard D. Robinson (PHO)	Cmdr. A.W. Stevenson, M.C., USN
CNV		Charles A. Link (PHO)		

Recovery Coordinator for the Gemini-10 mission will be Jerome B. Hammack. He will be responsible to the flight director for coordination of all recovery activities and will head up the recovery teams from his position in the Recovery Control Center (RCC) in the MCC-H.

Hammack, 44, was born in Coleman, Ga., and was graduated from Georgia Tech with a BS degree in aeronautical engineering. He joined NASA in May 1944. His present position is chief of the Landing and Recovery Division.

Assisting Hammack in the RCC-Houston will be Donald E. Stulken, Harold E. Granger, Edward C. Bullock, Joe R. Vice, William G. Robinson, Donald J. Borque, Bruce Larsen, Richard Tuntland, Harold J. Clancy, John Hoover, James D. Shannon, Wayne Oldfield, and Royce McKinney.

Other assisting in the RCC-H will include a senior DOD representative and the DOD operational control staff.

Recovery personnel from the Landing and Recovery Division will also be deployed to many areas around the world where they will participate in the Gemini-10 mission.

The RCC-Cape will be manned by Ryburn Kirby, with Melvin Richmond at Launch Site/Central Control. Fred Koons will be at the Cape landing position observer post. Roderick Bass will be the safing man at the Cape.

RCC-Kunia, Hawaii will be manned by Jerry E. Hoisington, Lonnie D. Thomas and Francis G. Abernethy.

The RCC-San Pablo, Spain will be manned by Fred Sponholz.

RCC-Albrook, Panama Canal Zone will be manned by Richard Green.

Warren Glenn will man the Aerospace Rescue and Recovery Service (ARRS) station at Bermuda.

Leroy Penn will man the ARRS-Dakar station in Sengal, Africa.

Sheridan Berthiaume will man the ARRS at Hickam, Hawaii.

The Tachikawa AFB station in Japan will be manned by Leon Hodge.

Milliard C. Pettit will man the destroyer USS Stoddert in the Mid-Pacific.

Donald H. DuBay will man the destroyer USS Collett in the West Pacific.

The prime recovery ship the aircraft carrier USS Guadalcanal will be manned by John C. Stonesifer, Thomas E. Holt, Steve Ellis, Lloyd D. Scoggins, Charles Hall, and James T. Willis.

In the West Atlantic, the destroyer USS Sumner will be manned by William M. Hogan. The destroyer USS Norris, also in the West Atlantic, will be manned by Dennis Mannering.

In the East Atlantic, the destroyer USS Lawe will be manned by Carter Yeatman.

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APOLLO SATURN 202 NEWS CENTER
HOUSTON, TEXAS

NEWS RELEASE NO. 1

August 24, 1966

SUBJECT: Apollo Saturn 202 Flight Controller and Recovery
Assignments

The Mission Control Center, Houston, and other sites will be staffed during the Apollo/Saturn 202 mission by flight controllers, recovery people and other personnel from the Department of Defense, NASA Manned Spacecraft Center and the Marshall Space Flight Center.

Because of the short duration of the AS 202 mission, only one team of flight controllers will be assigned.

Real-time in-flight analysis of the mission as associated with trajectory and vehicle systems will be the flight control function of the MCC-H as augmented by the various tracking sites along the path of the flight.

Mission director of the AS 202 mission will be provided by Mission Director Brig. Gen. Carroll H. Bolender.

Flight Director for the AS 202 mission will be John D. Hodge. He will be responsible for detailed control of the flight, for the implementation of mission objectives and for making decisions which might change the flight plan and mission rules on an

NEWS RELEASE NO. 1
Add 1

as-necessary basis.

Hodge, 37, was born in Essex, England. He received a BS degree in engineering from the University of London. Hodge joined NASA in April 1959. He was flight director on the AS 203 mission and on Mercury and Gemini flights.

Assistant Flight Director, Stuart M. Present, 36, was born in Brooklyn, N. Y. He was graduated from the University of Wisconsin with a BS degree in civil engineering and joined NASA in August 1963. During the flight he will assist the flight director in the detailed control of the mission and assume full responsibility during the absence of the flight director from the control room.

Operations and Procedures Officers for the mission will be Lawrence L. D. Armstrong, Franklin W. Brizzolara, and Seymour A. Liebergot. They will be responsible to the flight director for detailed implementation of the MCC/GOSS (ground operational support systems); implementation of remote site flight controller scheduling and operation; flight controller communication network discipline; and monitoring all mission control teletype traffic.

Armstrong, 28, was born in Pocatello (Banacok), Idaho. He joined NASA in August 1962.

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Brizzorara, 24, was born in Houston, Tex. He was graduated from the University of Texas with a BS degree in aerospace engineering and joined NASA in August 1964.

Liebergot, 30, was born in Camden, N. J. He was graduated from the California State College of Los Angeles with a BS degree. He joined NASA in January of this year.

Booster Systems Engineer No. 1: Charles W. Casey, 33, was born in Rome, Ga. He was graduated from North Georgia College, Dahlonega, Ga., with a BS degree in physics. He joined NASA (Marshall Space Flight Center) in July 1960. He will be responsible to the flight director for monitoring the (SLV) Saturn Launch Vehicle propulsion system, propellant containers and pressurization systems.

Booster Systems Engineer No. 2: Dexter H. Burdeshaw and Robert F. Wolf will be responsible for monitoring and evaluating the status of the SLV digital computer system, guidance and navigation system, attitude control system and sequential system.

Burdeshaw, 28, was born in Birmingham, Ala. He was graduated from Howard College, Birmingham, with a BS degree in mathematics and physics. He joined NASA (MSFC) in January 1961.

Wolf, 36, was born in Yonkers, N. Y. He was graduated from

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Purdue University with a BS degree in mechanical engineering. He joined NASA (MSFC) in September 1962.

Communications and Life Support engineers are Richard D. Glover and William C. Burton. This position was formerly known as Electrical, Environmental, and Communications Officer (EECOM). The CLS engineer monitors the operation of the electrical power system, the environmental control system, communications system and instrumentation and sequential systems.

Glover, 32, is a native of Chicago, Illinois. He has a bachelor of science degree in electrical engineering from the University of Texas and a master of science degree in electrical engineering from Stanford University. Glover joined NASA in 1963. Burton, 36 was born in Penelope, Texas. He has a bachelor of science degree in physics and mathematics from the University of Houston and joined NASA in 1964.

Guidance, Navigation and Control engineers are Gerald D. Griffin, Louis A. DeLuca and Briggs N. Willoughby. They are responsible for monitoring spacecraft guidance and propulsion systems.

Griffin, 31, was born in Athens, Texas. He holds a bachelor of science degree in aeronautical engineering from Texas A & M

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and joined NASA in 1964. DeLuca, 39, is a native of Detroit, Michigan. His major area of study was in engineering and mathematics and he joined NASA in 1962. Willoughby, 31, was born in Shamrock, Texas. He has a bachelor of science degree in engineering physics from the University of Colorado and he joined NASA in 1964.

The Flight Dynamics Officer is Grayden F. Meyer. He is responsible for monitoring the powered phase of the mission, and trajectories.

Retrofire officers are John S. Llewellyn, and Charles F. Deiterich. They are responsible for determination of transmission of retrofire times.

Guidance officers are Charley B. Parker, Granville E. Paules and John G. Renick. They are responsible for monitoring guidance systems.

Network Controllers are Larry Lonero and Gordon Ayers. Support control coordinators Phillip N. Barnes, Jimmy C. White, and Robert Pittman. Maintenance and Operation supervisors are Robert Jones, Ronald B. Cagle, John W. Collins, and George M. Egan, Jr. The latter three are Philco employees.

The Public Affairs console will be manned by Robert T. White, Mission Commentator, and Sol B. Weil.

-more-

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Flight Controllers will man three remote sites - the tracking ships Rose Knot, and the Coastal Sentry, and the tracking station at Carnarvon, Australia.

Assigned to the Rose Knot are Arda J. Roy, Jr., Cap Com; William J. Moon, Communications and Life Support; Joseph E Borches, III, Guidance and Navigation and Control; and William H. McCumber, Booster Systems Engineer.

Assigned to Carnarvon are Perry L. Elack, Cap Com; Talivaldis, K. Sulmeisters, C. L. S.; Johnny L. Ferry, G. N. C.; and George C. Guthrie, Flight Dynamics.

Assigned to the Coastal Sentry are Lawrence S. Canin, Cap Com; Richard A. Gardner, C. L. S.; and Richard W. Kalishek, G. N. C.

Landing and Recovery Division assignments:

At the Recovery Control Center - Houston - J. C. Stonesifer, E. C. Bullock, W. E. Koons, B. W. Larsen, J. E. Hoover, J. E. Hoisington, F. E. Herbert, W. G. Robinson, D. H. DuBay, A. E. Kilpatrick, J. R. Vice.

Recovery Control Center - Cape Kennedy - R. R. Karby, and M. L. Richmond.

Recovery destroyers in the Atlantic - S. H. Ellis, Station 1, R. C. Jacobs, Station 2; W. J. Stork, Station 3.

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Air Rescue Service - Bermuda - D. G. Mannering.

Recovery Control Center - Kunia, Hawaii - H. E. Granger.

Prime Recovery Carrier - U. S. Hornet in the Pacific -
D. E. Stullken, C. C. Filley, L. D. Thomas, F. C. Spohholz,
R. N. Darley, and J. R. Sloan.

Recovery Destroyers in the Pacific - W. B. Wood, Station 1;
J. S. Arthur, Station 2.

Aboard Air Rescue Service C-130 in the footprint area -
A. Meyers, M. L. Windler, E. B. Petrash, W. R. Chase, S. J.
Berthiaume, W. A. Middleton, and W. H. Glenn. Each will be
aboard a C-130 in the area.

Deactivation @ R. S. Bass.

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APOLLO NEWS CENTER
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

NEWS RELEASE #5

November 7, 1967

Subject: Flight Controllers for Apollo 4

Centralized control of the Apollo 4 flight will be provided by the Mission Control Center-Houston from launch through recovery. Two teams of flight controllers and support personnel will man the MCC-H. The first team, or countdown team, of flight controllers will report on site at T-11 hours and 40 minutes. The prime team of flight controllers will come on duty at T-3 hours and man their positions through spacecraft landing, which is scheduled to occur some 8 hours and 41 minutes after liftoff from Kennedy Space Center.

Real-time in-flight analysis of the mission as associated with trajectory and vehicle systems will be the flight control function of the MCC-H as augmented by the various tracking sites along the path of the flight.

Apollo 4 Mission Director is William C. Schneider from the Office of Manned Space Flight, NASA Headquarters. He will be responsible for the overall conduct of the mission.

Department of Defense support of the mission will be headed by Air Force Maj. Gen. Vincent G. Huston, DOD Manager, Manned Space Flight Support Operations, Andrews AFB, Washington, D. C. DOD support includes launch site services, tracking facilities and necessary forces for recovery operations.

Christopher C. Kraft Jr., Director of Flight Operations at the Manned Spacecraft Center will be manning the Flight Operations Director console in the MCC-H during major phases of the mission in his capacity as head of flight operations at MSC.

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News Release #5

Kraft, 43, was born in Phoebus, Va. He was graduated from Virginia Polytechnic Institute with a BS degree in aeronautical engineering and has been awarded honorary Doctor of Engineering Degrees from Indiana Institute of Technology and Parks College of St. Louis University. He has been with NASA and its predecessor NACA (National Advisory Committee for Aeronautics) since January 1945.

Flight directors for the Apollo 4 mission will be Glynn S. Lunney and Clifford E. Charlesworth. They will head the two shifts that will be necessary for the countdown and flight portions of the mission. The flight director's responsibilities include implementation of mission objectives and making changes that might change the flight plan and mission rules on an as-necessary basis.

Lunney, 30, was born in Old Forge, Pa. He was graduated from the University of Detroit with a BS degree in aeronautical engineering. He has been with NASA and its predecessor NACA since August 1955. Lunney was flight director for Apollo 201 and the Gemini 9 through 12 missions.

Charlesworth, 35, was born in Redwing, Minn. He was graduated from Mississippi College, Clinton, Miss., with a BS degree in physics and has been with NASA since April 1962. He was a flight director on Gemini 9 through 12.

Assistant flight directors for the Apollo 4 mission will be William E. Platt Jr. and Seymour A. Liebergot. During the mission they will assist the flight director in the detailed control of the mission and will assume full responsibility during the absence of the flight director from the control room.

- MORE -

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News Release #5

Platt, 32, was born in Wink, Texas. He was graduated from the University of Southwestern Louisiana with a BS degree in mechanical engineering, and joined NASA in April 1962.

Liebergot, 31, was born in Camden, N. J. He was graduated from California State College of Los Angeles with a BS degree in electrical engineering. He joined NASA in January 1966.

Operations and procedures Officers for the mission will be Billy T. Hervey and Donald E. Holkan. He will be responsible to the flight director for detailed implementation of the MCC/GOSS (ground operational support system); implementation of remote site flight controller scheduling and operations, flight controller communications network discipline and monitoring all mission control teletype traffic.

Guidance Navigation Control officers for Apollo 4 will be Gerald D. Griffin, Briggs N. Willoughby and Joseph E. Borches. They will be responsible to the flight director for monitoring spacecraft guidance and propulsion systems.

The Electrical, Environmental and Communications Systems Engineers for the mission will be Lloyd V. Howard, and William C. Burton. They will be responsible for monitoring the operation of the electrical power system, the environmental control system, communications system and instrumental and sequential systems.

Network controllers for the Apollo 4 mission will be Lawrence Lonero and Douglas R. Wilson. They will be responsible to the flight director for capability of the network instrumentation required to support the flight.

- MORE -

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News Release #5

Flight Dynamics Officers for the mission will be Jerry C. Bostick and George C. Guthrie. They will be responsible to the flight director for monitoring the powered flight phase of the mission, orbital events, and trajectories from the standpoint of mission success.

Guidance Officers for the flight will be Neil Hutchinson, Granville E. Paules and Stephen G. Bales. They will be responsible to the flight director for monitoring guidance, sequential and propulsion systems.

Retro controllers for the Apollo 4 mission will be John S. Llewellyn, William P. Gravett and James M. Payne. They will be responsible to the flight director for determination and transmission of retrofire times, either in the event of an abort, or the landing at the end of an orbit, or the landing at the end of the nominal mission.

Booster Systems Engineers for Apollo 4 will be Robert W. Wolf, Carl E. Amos and Charles W. Casey. They will be responsible to the flight director for monitoring the Saturn Launch Vehicle propulsion system, propellant containers and pressurization systems. They will also monitor and evaluate the status of the Saturn 5 digital computer system, navigation and guidance system, attitude control system and sequential system.

Recovery coordinators for the Apollo 4 flight will be Edward C. Bullock, Joe R. Vice and Harold E. Granger. Their prime responsibility is to direct the recovery task forces and to keep the flight director informed of their status.

The Public Affairs team for Apollo 4 is Bennett W. James and Paul Haney. They will be responsible for relaying to the news media all vital information concerning the mission.

- MORE -

Add 4

News Release #5

Two remote sites for Apollo 4 will be fully manned by flight controllers from Houston, they will be Carnarvon, Australia and the Apollo Tracking Ship Vanguard in the Atlantic. Flight controllers will also be at remoted sites to monitor the programs and assist the station personnel if needed.

Manning the Carnarvon remote site will be Edward I. Fendell, capcom; Roy E. Day, and Paul A. Hoffman, booster systems engineers; Joseph N. DeAtkine, EECOM; Richard W. Kalishek, GNC; and William J. Strahle, control.

Onbaord the Vanguard tracking ship will be William G. Bastedo, capcom; William McCumber and Robert W. Puschinsky, BSE; George W. Conway, EECOM; Frank Digenova, GNC; John A. Kamman, control; and Jay H. Greene, FIDO.

The following flight controllers from MSC will be at remoted sites to observe, monitor and assist if needed during the mission: Charles S. Harlan at Guam; Harold M. Draughon, Ascension; William Molnar, Hawaii; Richard H. Sutton at Guaymas; and Keith K. Kundel onboard the Apollo Range Instrumented Aircraft out of the Cape Kennedy area.

In the Recovery Operations Control Room at MCC-H will be Edward C. Bullock, recovery coordinator; Joseph R. Vice, assistant coordinator; John E. Hoover and Francis G. Abernathy, display; W. Gary Robinson, Fred Wrinkle, and Raymond S. Watson, evaluators; Charles R. Walker, and Richard D. Snyder, status.

Manning the Cape Kennedy recovery operation will be Ryborn R. Kirby, John H. Cooper, Ralph H. Culbertson and John D. Holt. The spacecraft detactivation team will be Roderick S. Bass and John Hirasaki at the Cape.

Kunia, Hawaii recovery operations will be Donald E. Stulken and Richard W. Blakely,

- MORE-

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News Release #5

Moron, Spain recovery operation will be manned by Thomas E. Holt.

Atlantic ships will be manned as follows: USS Austin, Fred C. Sponholz, R. Lane Brown and Charles T. Hall; USS J. P. Kennedy, Jr., Thomas E. O'Briant; USS York County, Larry R. Bell; USS Sabine, Michael F. Collins.

Bermuda recovery operations will be Arnett E. Kilpatrick, Charles D. Anderson and Carl F. Koontz.

Lajes, Azores and Moron, Spain recovery operations will be manned by Allen F. Meyers.

Hickham, Hawaii recovery operations will be manned by Donald G. Morris, William B. Wood, William R. Chase, Larry R. Patterson, William A. Middleton, Sheridan J. Berthiaume, Gordon C. Hrabal, and Ronald J. Simantel.

Onboard the prime recovery ship USS Bennington will be John C. Stonesifer, Charles C. Filley, Edward B. Petrash, John Hirasake, and Frank T. Mabley.

Also in the prime recovery area will be the USS Carpenter with Weldon B. McCown onbaord.

In the Pacific recovery area on board an ARIA will be L. Douglas Scoggins handling recovery operations from that point.

Manning of other areas in MCC-H in addition to the above follow:

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News Release #5

MCC-H/MOCR MANNING

POSITION

COUNTDOWN TEAM

PRIME TEAM

FLIGHT DIRECTOR

Clifford E. Charlesworth

Glynn S. Lunney

ASSISTANT FLIGHT DIRECTOR

William E. Platt, Jr.

Seymour A. Liebergot

OPERATIONS & PROCEDURES

Billy T. Hervey

Donald E. Holkan

GUIDANCE NAVIGATION CONTROL
(Console 8)

Gerald D. Griffin

Briggs N. Willoughby

GUIDANCE NAVIGATION CONTROL
(Console 9)

Joseph E. Borches

EECOM (Console 7)

Lloyd V. Howard

William C. Burton

NETWORK CONTROLLER

Lawrence Lonero

ASSISTANT NETWORK CONTROLLER

Douglas R. Wilson

PUBLIC AFFAIRS OFFICE

Bennett W. James

Paul Haney

Allison M. Bond

Bert Weil

FIDO

Jerry C. Bostick

George C. Guthrie

GUIDO

Neil Hutchinson

Granville E. Paules

RETRO

John S. Llewellyn

James M. Payne

William P. Gravett

BOOSTER SYSTEMS ENGINEER

Robert W. Wolf

Charles W. Casey

BOOSTER SYSTEMS ENGINEER -
ALTERNATE

Carl E. Amos

RECOVERY COORDINATOR

Edward C. Bullock

ASSISTANT RECOVERY COORDINATOR

Joe R. Vice

Harold E. Granger

MESSAGE COORDINATORS

Ada W. Moon

Donald O. Bray

Virginia W. Engle

Ernest W. Starling

NASA HEADQUARTERS

MISSION DIRECTOR

William C. Schneider

MISSION DIRECTOR'S STAFF

Chester M. Lee

Robert O. Aller

William A. Wallace

John K. Holcomb

Fred E. Stout

Howard F. Blackwood

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News Release #5

FLIGHT DIRECTOR SSR

POSITION

REQUIREMENTS CHANGE CONTROL

Lyle T. White

Richard L. Brown, Sr.

DATA SUPPORT

Otho C. Lindsey

Joseph E. Johnston

Donald C. Eaton

FLIGHT PLAN

John B. Cotter

Tommy W. Holloway

PLANS & SCHEDULES

Robert G. Britton

VEHICLE SYSTEMS SSR

ENVIRONMENTAL CONTROL SYSTEMS
(Console 20)

Charles L. Dumis

Morton Silver

Thomas R. Loe

ELECTRICAL POWER SYSTEM/
SEQUENCE (Console 31L)

William J. Moon

James J. Kelly

Joseph L. Pringle

Charles M. Jones

COMMUNICATION (Console 31R)

Joel V. Fears

Richard T. Brown

W. Lawrence Wafford

Thomas E. Hanchett

GUIDANCE & NAVIGATION
(Console 32L)

Robert H. Fischer

Frank J. Mussato

PROPULSION (Console 32R)

Gary E. Coen

John E. Walsh

Albert W. Barker

MESSAGE COORDINATOR

Ada Moon

Shelia A. Nice

Diana R. Guy

RECOVERY CONTROL ROOM

POSITION

RECOVERY DISPLAY

John E. Hoover

Francis G. Abernathy

EVALUATOR

William G. Robinson

Raymond S. Watson

Fred H. Wrinkle, Jr.

STATUS MONITOR

Charles R. Walker

Richard D. Snyder

METEROLOGY (Weather)

Alan N. Sanderson

Roger K. Carter

Edward F. Mitros

Ronald E. Gabriel

SECRETARIES

Norma M. Salinas

Nancy C. Pollock

Jean Ellis

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News Release #5

BOOSTER SYSTEMS SSR

GUIDANCE NAVIGATION/DIGITAL
ATTITUDE CONTROL SYSTEMS
ELECTRICAL NETWORK SYSTEMS
PROPULSION & STRUCTURES
SYSTEMS

William H. Shook
L. Kenneth Whitfield
John A. Smith
Phillip J. Strausbaugh

FLIGHT DYNAMICS SSR

GUIDO

Kenneth W. Russell
Charley B. Parker

J. Gary Renick

RETRO

Thomas E. Weichel

David V. Massaro

FIDO

William J. Boone, III

William M. Stoval

SIM AREA SSR

ARIA DOD REPRESENTATIVE

Ted Windle

AEROMED SSR

POSITION

ENVIRONMENTAL CONTROL SYSTEMS

Frank H. Samonski

Richard J. Gillen

Donald F. Hughes

John E. Whalen

Percy F. Hurt

Robert E. Smylie

AEROMEDICAL

William R. Carpentier, M.D.

John F. Zieglschmid, M.I

Kenneth N. Beers, M.D.

G. Fred Kelly, M.D.

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News Release #5

SPACECRAFT ANALYSIS SSR

SPAN

PROGRAM OFFICE SUPPORT

Arnold D. Aldrich
Alfred D. Mardel
Kenneth L. Nelson
Rolf W. Lanzkron
Terrence L. Whalen
Sidnay C. Jones, Jr.
Jerry W. Craig
Charles R. Haines
Stanley M. Blackmer
John D. Lobb, Jr.
Susan M. Cardenas
Vickie J. Burns
Howard C. Kyle
Jack W. Seyl

L. William Blair
Owen E. Maynard
Aaron Cohen
Jerry S. Lowe
Charles H. Feltz
William M. Speier
Allan W. Joslyn
Joseph P. Loftus
Robert E. McKann

Wanda S. Slack

Clyde J. Stoker
A. Donald Travis

ISD

RTACF (FLT DYN SSR)

TRAJECTORY SUPPORT CHIEF

ASSISTANT TRAJECTORY SUPPORT
CHIEF

MANEUVER SPECIALIST

REENTRY SPECIALIST

AGC SPECIALIST

POSTFLIGHT OBSERVER

ENGINEERING AIDE

Michael A. Collins, Jr.
Stanley D. Holzaepfel

William J. Bennett
Jon C. Harpold
Jack Garman
Donald J. Incerto
Mary McKee (ITT)

Laura Wilson (ITT)

Add 10

News Release #5

CCATS

POSITION

COMMAND	Lawrence D. Meyer Thomas R. Watts Bobby C. Conners James E. Mager	Roger F. Brant Henry Jenkins Julius M. Conditt Richard F. Robertson	Ronald E. Warren Charles M. Horstman Eldon E. Payne
TELEMETRY	Jerry E. Brown Walter R. Hrab Paul D. Dell'Osso	Donald J. Flippin Al D. McLaughlin Robert G. Gonzales	Fidel R. Rul, Jr. Gerald J. Hedberg
TRACKING	Donald E. Webb Walter E. Soetaert Thomas W. Sheehan Robert G. Schweigert	Thomas J. Lubischer Donald E. Halter Edward W. Pickett Charles W. Reese	Robert G. Stone Ralph M. Mason George T. Williams
COMMUNICATIONS	Charles W. Busch Donald G. Snyder Gerald G. Coppens	Charles T. Ritchie Marcus D. Garner Billy R. Perry	Steve C. Richards Oliver E. Allen
CP	Glyn R. LeBlanc	Billy D. Janeway	
MESSAGE COORDINATION	Dianne L. Janecka	Irene L. Hatfield	Dianne M. Ferguson

AUXILLIARY COMPUTING ROOM

ACR CHIEF	Dan Chenoweth		
TRAJECTORY CONSULTANT	Roy Kaesemeyer James W. Tolin, Jr.	Carlos Garza	Mel Diels
PROGRAM CONSULTANT	Delores Moorehead	Dan Borkowski	
RUN COORDINATOR	Bruce Newport		
ENGINEERING AIDE	Mary Ann Lankford		

Add 11

News Release #5

REAL-TIME COMPUTER COMPLEX

POSITION

COMPLEX SUPERVISOR	Terry D. Wickham (IBM)	Lec K. Lovinggood (IBM)
	Jack A. Adams (IBM)	John V. Schnurbusch (IBM)
COMPUTER DYNAMICS	Robert J. Donbroski (IBM)	Edward F. Schoonover (IBM)
	Glenn S. Jackson (IBM)	R. Ray Reynolds NASA
DATA SELECT	John A. Layton (IBM)	Thomas M. Conway NASA
	Lawrence K. Tharp (IBM)	James H. Davis (IBM)
		Lawrence K. Tharp (IBM)
COMPUTER COMMAND	Freddie R. Heath (IBM)	William N. Babb (IBM)
COMPUTER TELEMETRY	Richard B. Fitzgerald (IBM)	Jack B. Stephenson NASA-AF
	Neldon J. Costin NASA	Ralph T. Myers (IBM)
CMCC	Michael R. Felix (IBM)	Ralph T. Simermeyer (IBM)
		Robert J. Gayle (IBM)
		Thomas H. Stern (IBM)
RTOS SUPPORT	Edward R. Strecker (IBM)	Walter J. Kloster (IBM)
	Noel W. Pryor (IBM)	Richard W. Groves (IMB)

REAL-TIME COMPUTER SSR

POSITION

RTCC COMPUTER SUPERVISORS	Kim Lovinggood
	Gene Juarez
	Jack Adams

APOLLO NEWS CENTER
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

News Release #1

January 19, 1968

Subject: Flight Controllers for Apollo 5

After the Apollo 5 launch vehicle and its Lunar Module payload liftoff Launch Complex 37B at Cape Kennedy, Command Control of the flight will be centered in the Mission Control Center, Houston.

In the hours prior to liftoff of the Apollo 5 vehicle from the launch pad in Florida, the role of MCC is more one of monitoring the pre-launch activity and preparation for command takeover of the mission.

Real-time in-flight analysis of the Apollo 5 mission as associated with trajectory and vehicle systems will be the flight control function of MCC as augmented by the various tracking sites along the path of the flight.

The prime team of flight controllers will come on duty in MCC at about three hours before liftoff and man their console positions through accomplishment of the primary objectives of the mission or about seven hours into the flight. At this time ~~the number two~~ team of flight controllers will take over command of the vehicle and exercise the LM-1 vehicle in various contingency configurations and monitor vehicle systems until depletion of consumables. The latter phase will also be about seven hours in duration.

Add 1
light Controllers

Mission Director for the Apollo 5 mission is William C. Schneider from the Office of Manned Space Flight, NASA Headquarters. He will be responsible for the overall conduct of the mission.

Christopher C. Kraft, Jr., Director of Flight Operations at the Manned Spacecraft Center will man the Flight Operations Director console in MCC during major phases of the mission in his capacity as head of flight operations at MSC.

Department of Defense support of the mission will be headed by Air Force Maj. Gen. Vincent G. Huston, DOD Manager, Manned Space Flight Support Operations, Andrews AFB, Washington, D. C. DOD support includes launch site services and tracking facilities.

Flight Directors for the Apollo 5 mission will be Eugene F. Kranz and John D. Hodge. They will head the two shifts that will be necessary for the countdown and flight portions of the mission. The flight director's responsibilities include implementation of mission objectives and making changes on an as-necessary basis that could affect the flight plan and/or mission rules. Glynn S. Lunney will be back-up flight director for this mission.

Kranz, 34, was born in Toledo, Ohio. He was graduated from Parks College, St. Louis University with a BS degree in aeronautical engineering. He has been with NASA since October 1960 and served as flight director on most of the manned Gemini flights.

add 2

Flight Controllers

Hodge, 38, was born at Leigh-on-Sea, Essex, England. He received a BS degree in engineering from the University of London and was awarded an honorary doctors degree in aeronautics from the City University of London. He has been with NASA since April 1959 and served as flight director on most of the manned Gemini flights and on two unmanned Apollo flights.

Assistant Flight Directors for Apollo 5 will be Perry L. Ealick and Charles R. Lewis. During the mission they will assist the flight director in the detailed control of the mission and will assume full responsibility during the absence of the flight director from the control room.

Ealick, 30, was born in Ponca City, Okla. He was graduated from the U. S. Naval Academy with a BS degree in engineering, and joined NASA in July 1964.

Lewis, 30, was born in Lawton, Okla. He was graduated from New Mexico State University with a BS degree in electrical engineering, and joined NASA in June 1961.

Operations and Procedures Officers for the mission will be H. Russell Goodwin and Lawrence L. D. Armstrong. They will be responsible to the flight director for detailed implementation of the MCC/GOSS (ground operational support system); implementation of remote site flight controller scheduling and operations, flight

Add 3

Flight Controllers

controller communications network discipline and monitoring all mission control teletype traffic.

Booster Systems Engineers for the Apollo 5 flight will be William L. Brady and William H. Hooper. They will be responsible to the flight director for monitoring the Saturn launch vehicle propulsion system, propellant containers and pressurization systems. They will also monitor and evaluate the status of the Saturn IB digital computer system, navigation and guidance system, attitude control system and sequential system.

Guidance and Control Officers for the mission will be Jackson B. Craven and Robert L. Carlton. They will be responsible to the flight director for monitoring spacecraft guidance and propulsion systems.

The Electrical, Environmental and Communications Systems Engineers for Apollo 5 will be Donald R. Puddy, and W. Merlin Merritt. They will be responsible for monitoring the operation of the electrical power system, the environmental control system, communications system and instrumentation, and sequential systems.

Flight Dynamics Officers for Apollo 5 will be H. David Reed, Jerry C. Bostick, Maurice G. Kennedy, and William M. Stoval. They will be responsible to the flight director for monitoring the powered

Add 4
Flight Controllers

flight phase of the mission, orbital events, and trajectories from the standpoint of mission success.

Guidance Officers for the flight will be J. Gary Renick, Charley B. Parker, Kenneth W. Russell and William E. Fenner. They will be responsible to the flight director for monitoring guidance, sequential and propulsion systems.

Retro Controllers for Apollo 5 will be James E. I'Anson, John S. Lewellyn, and Bobby T. Spencer. They will be responsible to the flight director for monitoring the LM program reader assembly and for selecting sequences to accomplish alternate mission planning.

Network Controllers for the mission will be George D. Ojalehto, Clifton W. Phillips, Thomas Guy and Douglas R. Wilson. They will be responsible to the flight director for capability of the network instrumentation required to support the flight.

The Public Affairs team for commentary on Apollo 5 is Robert T. White and Don J. Green. They will be responsible for relaying to the news media all vital information concerning the conduct of the mission.

Three remote sites will be manned by flight controllers from MSC for this mission. These sites will be Carnarvon, Australia, the tracking ship Coastal Sentry (CSQ) off the west coast of Australia, and the tracking ship Rose Knot (RKV) off the coast of Baja, California.

Add 5
light Controllers

Manning the Carnarvon site will be Gary B. Scott, capcom; Harold A. Loden, and Hershel R. Perkins, LM systems; and James F. Park, booster systems engineer.

The CSQ will be manned by James R. Fucci, capcom; Robert D. Legler, and Robert H. Heselmeyer, LM systems; and Myron C. Hayes, booster systems engineer.

Lawrence S. Canin will be the capcom on the RKV with Charles L. Gruby and Richard A. Thorson as the LM system engineers.

Landing and Recovery Division assignments for Apollo 5 will include personnel to track the LM spacecraft during the second through sixth revolutions from four Air Force Air Rescue and Recovery Service aircraft.

Two of the pararescue carrying aircraft will be out of Hawaii and two out of Bermuda. The LRD members onboard will be testing and evaluating electronic gear used on these HC-130 aircraft for recovery operations. The S-Band signal from the LM spacecraft will be utilized for tracking purposes.

Out of Bermuda, W. A. Middleton and John D. Holt will be onboard Aircraft-1 with Douglas Scoggins and H. F. Breshears on Aircraft-2. The Hawaii Aircraft-1 will be manned by Sheridan Berthiaume and David Peterson, with Edward Petrash and James Larey onboard Aircraft-2.

Add 6

Flight Controllers

Other LRD assignments include John Stonesifer and Raymond Watson at the Norfolk, Va. Recovery Control Center; Joe Vice at the Kunia, Hawaii Recovery Control Center; and Ralph Culbertson at Cape Kennedy, Fla.

Other areas in Mission Control Center will be manned by the following:

- more -

Add 7
Flight Controllers

MCC/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>
Flight Director	Eugene F. Kranz	John D. Hodge
Back-up Flight Director	Glynn S. Lunney	
Assistant Flight Director	Perry L. Ealick	Charles R. Lewis
Operations and Procedures	H. Russell Goodwin	Lawrence L. D. Armstrong
Booster Systems	William L. Brady William H. Hooper Charles W. Casey	
Guidance and Control	Jackson B. Craven	Robert L. Carlton
RECOM	Donald R. Puddy	W. Merlin Merritt
FIDO	H. David Reed Jerry C. Bostick	Maurice G. Kennedy William M. Stoval
GUIDO	J. Gary Renick Charley B. Parker	Kenneth W. Russell William E. Fenner
RETRO	James E. I'Anson John S. Llewellyn	Bobby T. Spencer
NETWORK CONTROLLER	George D. Ojalehto	Clifton W. Phillips
ASSISTANT NETWORK CONTROLLER	Thomas Guy	Douglas R. Wilson
MISSION COMMENTARY	Robert T. White	Don J. Green
ASSISTANT TO MISSION COMMENTARY	Edward L. Worrell	

Add 8
Flight Controllers

MCC/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>
<u>NASA HEADQUARTERS</u>		
MISSION DIRECTOR	William C. Schneider	
ASSISTANT MISSION DIRECTOR	Chester M. Lee	
APOLLO OPERATIONS DIRECTOR	John K. Holcomb	
ASSISTANT TO MISSION DIRECTOR	Fred E. Stout R. C. Turgeon	
OPERATIONS PLANNING	Robert O. Aller	
VIP CONSOLE		
VIP ROOM	Thomas A. Stuart Eugene L. Wright	James E. Broadfoot

Add 9
Flight Controllers

VEHICLE SYSTEMS SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>
PNGS	Floyd E. Page Jerry C. Elliott	John L. Nelson
CES	William E. Sturm	Edwin E. Marzano
PROPULSION	Larry W. Strimple Carroll E. Hopkins	Glenn W. Watkins
ECS	Jack Knight, Jr. James F. Nelson	Fred A. Frere Quarance Patin
CONSUMABLES PLOTTER	Robert S. Nance	
ELECTRICAL	William L. Peters	Frederick R. Wentland
COMMUNICATIONS	J. O. Sayler William Reeves	Don L. Parrish
MESSAGE COORDINATORS	Dorothy M. Hamilton Marilyn H. Garzon	Katherine J. Spencer
GUIDANCE NAVIGATION/ DIGITAL SYSTEMS	Roy E. Day	
ATTITUDE CONTROL SYSTEMS	Miles R. Robinson	
PROPULSION AND STRUCTURES SYSTEMS	Philip A. Strausbaugh Paul E. Dixon	
ELECTRICAL NETWORK SYSTEMS	Roger T. Goers	
RESEARCH WRITER FOR MISSION COMMENTATORS	Douglas K. Ward	

Add 10
Flight Controllers

RECOVERY CONTROL ROOM

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>
RECOVERY DISPLAY	Fred H. Wrinkle Richard W. Blakley	
RECOVERY EVALUATOR	Charles R. Walker Richard D. Snyder Charles C. Filley	
RECOVERY STATUS	Charles D. Anderson	
METEOROLOGY (Weather)	Alan N. Sanderson Roger K. Carter Edward F. Mitros Richard K. Siler	
RECOVERY COORDINATOR	Ryborn R. Kirby	
ASSISTANT RECOVERY COORDINATOR	Francis G. Abernethy	

Add 11

Flight Controllers

SPACECRAFT ANALYSIS SSR

POSITION

SHIFT 1

SHIFT 2

SPAN

James E. Saultz James E. Hannigan
Charles V. Whitmore Frank L. Edelin

PROGRAM OFFICE SUPPORT

Alfred D. Mardel Owen E. Maynard
John B. Lee Phillip M. Deans
William C. Fischer Leonard Nelson
John D. Lobb John Vincze
Sidnay C. Jones, Jr. William M. Speier
Jean L. Petersen Stanley M. Blackmer
Karren Hollenbeck
James Tomberlin William McKenzie

USB SYSTEM

Howard C. Kyle Arthur D. Travis
Jack W. Seyl Louto J. Braquet

FLIGHT DIRECTOR SSR

FLIGHT PLANNING

Elvin B. Pippert Darrel D. Greenwell

CREW PROCEDURES

R. Terry Neal Charles O. Lewis

PLANS

Axel M. Larsen Harley Weyer
Robert G. Britton

REQUIREMENTS CHANGE
CONTROL

Otho C. Lindsey James E. Wallace

COMMAND DATA FLOW SUPPORT

James L. Kitchen Jay E. Connors

TM DATA FLOW SUPPORT

James A. Ippoliti Edward B. Beatty

BACK-UP DATA FLOW SUPPORT

Joseph E. Johnston Fred R. Sanders
Harold B. Stenfors

FLIGHT DYNAMICS SSR

FIDO SUPPORT

Stewart L. Davis

RETRO SUPPORT

Thomas E. Weichel

UIDO SUPPORT

Stephen G. Bales

Add 12
light Controllers

SSR/RTACF

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>
TRAJECTORY SUPPORT CHIEF	Larry Davis	
ASSISTANT TRAJECTORY SUPPORT CHIEF	Hector Garcia	
MANEUVER SPECIALIST	Edwin G. Dupnick	
LGC SPECIALIST	Jason F. Kastelic John R. Garman Tom G. Price	
POST FLIGHT OBSERVER	Donald J. Incerto Ben F. McCreary William R. Lacy	
ENGINEERING AIDE	Judy Ferstel	

AUXILIARY COMPUTING ROOM

ACR CHIEF	E. Ray Hischke
TRAJECTORY CONSULTANT	Robert S. Merriam Viet Hanssen Ron D. Davis J. Fred Martin Vince R. Dragotta
PROGRAM CONSULTANT	Heibert G. Epps John G. Heyen Bill J. Williams
RUN COORDINATOR	Jim E. Friebele David Womack Diana Dutcher
ENGINEERING AIDE	Priscilla Lankford

Add 13
Flight Controllers

REAL-TIME COMPUTER COMPLEX

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>
COMPLEX SUPERVISOR	Elden G. Clayton John C. Koester Roger W. Forte	
TRACKING DATA SELECT	Baily L. Corbett Earl L. Shintaugh Robert A. Folk John L. Morrison Joe W. Driesbach	
COMPUTER COMMAND	Gary K. Luther Eugene L. Campbell	
PRINTER CONTROLLER	John T. Hatch, III Rich L. Philips Ronald E. Vis John M. Burt William N. Chastang Donald W. Pittman Michael J. Carey Leonard L. Gaily John P. Ware	
DYNAMICS	Roland B. Williams Daniel G. Nicholas	
COMPUTER TM	James R. Roundtree William A. Lybarger James D. Bagwell Douglas B. Sperry	
CMCC (Specialists-Trajectory)	Thomas M. Conway Gary L. Warner Ralph T. Simiermeyer Terence L. Smith James H. Dobbins	

Apr 14

Flight Controllers

CCATS

POSITION

SHIFT 1

SHIFT 2

SHIFT 3

REAL-TIME COMMAND

Glenn A. Spears

Earl V. Carr

CCATS COMMAND

John T. Bowen
Eldon Payne

Eugene M. Isaiah
Charles M. Horstman

Richard J. Stachurski
James E. Mager
Roger F. Brant

CP

Fred A. Patterson
Peter J. Vials

Glyn R. LeBlanc
William E. Bryant

David L. Pitts
Albert R. Becker

CCATS COMMUNICATIONS

Charles T. Ritchie
Marcus D. Garner
Donald Snyder

Charles W. Busch
Raymond L. Smith

Oliver E. Allen
Stephen Richards

CCATS TRACKING

Ralph M. Mason
Kenneth D. McDonald
Thomas J. Lubischer

Edward W. Pickett
Donald E. Halter
Thomas Sheehan

Donald E. Webb
Walter E. Soetaert

TELEMETRY INSTRUMENTATION
CONTROLLER

Wayne B. Boatman
Orlis V. Pike

Robert E. Dunham
August H. Degner

Albert McLaughon
Fidel Rul

Add 15
Flight Controllers

AEROMED SSR

POSITION

SHIFT 1

SHIFT 2

AEROMED

G. Fred Kelly, M. D.
Kenneth N. Beers, M. D.
William R. Carpentier, M. D.
John F. Zieglschmid, M. D.
Clarence Jernigan, M. D.
Roy Fagin, M. D.
Robert K. Leet, M. D.

ENVIRONMENTAL CONTROL
SYSTEMS

Richard E. Mayo
Frank R. Elliott

James C. Brady
Frank Collier
Daniel A. Samela

Add 16
Flight Controllers

APOLLO 5 REMOTE SITE MANNING

<u>SITE</u>	<u>CAPCOM</u>	<u>LM SYSTEMS</u>	<u>BSE</u>	<u>TELEMETRY</u>
CRO	Gary B. Scott Charles R. Lewis- (Back-up)	Harold A. Loden Hershel R. Perkins (Back-up)	James F. Park Paul A. Hoffman - (Back-up)	
CSQ	James R. Fucci Charles R. Lewis- (Back-up)	Robert D. Legler Robert H. Heselmeyer James E. Saultz- (Back-up)	Myron C. Hayes Paul A. Hoffman - (Back-up)	
RKV	Lawrence S. Canin Charles R. Lewis- (Back-up)	Charles L. Gruby Richard A. Thorson James E. Saultz- (Back-up)		
KSC				Jack C. Flatt

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APOLLO NEWS CENTER
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

NEWS RELEASE #1

April 1, 1968

Subject: Flight Controllers for Apollo 6

From launch to recovery, centralized control of the Apollo 6 flight will be provided by the Mission Control Center in Houston. Two teams of flight controllers and support personnel will man the MCC.

The countdown team of flight controllers will report on site at T-14 in the terminal count and stay through a built-in six-hour hold before being relieved at T-3 hours. The prime team of flight controllers will come on duty at T-3 hours in the count and man their positions through spacecraft landing, which is scheduled to occur about 9 hours and 50 minutes after liftoff from the Kennedy Space Center in Florida.

Real-time in-flight analysis of the mission as associated with trajectory and vehicle systems will be the flight control function of the MCC as augmented by the various tracking sites along the path of the flight.

The Apollo 6 mission director for the flight is William C. Schneider from the Office of Manned Space Flight, NASA Headquarters. He will be responsible for the overall conduct of the mission.

Christopher C. Kraft Jr., Director of Flight Operations at the Manned Spacecraft Center will man the Flight Operations Director console in MCC during major phases of the mission in his capacity as head of flight operations at MSC.

Department of Defense support of the mission will be headed by Air Force Maj. Gen. Vincent G. Huston, DOD Manager, Manned Space Flight Operations, Andrews AFB, Washington, D.C. DOD support includes launch site services, tracking facilities and necessary forces for recovery operations.

Flight Director for the Apollo 6 mission will be Clifford E. Charlesworth. He will be responsible for implementation of the mission objectives and making changes on an as-necessary basis that could affect the flight plan and/or mission rules.

Charlesworth, 36, was born in Redwing, Minn. He was graduated from Mississippi College, Clinton, Miss., with a BS degree in physics and has been

-more-

Add 1

News Release #1

with NASA since April 1962. He was flight director on the last four Gemini flights and was backup flight director on Apollo 4.

Assistant Flight Directors for Apollo 6 will be William E. Platt Jr. and Jones W. Roach. During the mission they will assist the flight director in the detailed control of the mission and assume full responsibility during the absence of the flight director from the control room.

Platt, 32, was born in Wink, Texas. He was graduated from the University of Southwestern Louisiana with a BS degree in mechanical engineering, and joined NASA in April 1962.

Roach, 34, was born in Richmond, Virginia. He was graduated from VMI with a BS degree in electrical engineering, and joined NASA in September 1962.

Operations and Procedures Officers for the mission will be Richard H. Sutton and Harold M. Draughon. They will be responsible to the flight director and assistant flight director for detailed implementation of the MCC/MSFN mission control procedures and for coordinating and controlling the group displays, and clocks in the control room.

Booster Systems Engineers for the Apollo 6 mission will be Robert W. Wolf, Miles R. Robinson, Philip J. Strausbaugh, Carl E. Amos, J. Franklin Park and Robert W. Puschinsky. They will be responsible to the flight director for monitoring the Saturn Launch Vehicle propulsion system, propellant containers and pressurization systems. They will also monitor and evaluate the status of the Saturn 5 digital computer system, navigation and guidance system, attitude control system and sequential system.

The Electrical, Environmental and Communications Systems Engineers for the mission will be William C. Burton, Charles L. Dumis, and Thomas R. Loe. They will be responsible for monitoring the operation of the electrical power system, the environmental control system, communications system and instrumental and sequential systems.

Control position in MCC for the mission will be manned by Joseph E. Borches III, and Richard W. Kalishek. They will be responsible to the flight

-more-

Add 2

News Release #1

director for taking over manual control of the spacecraft if the spacecraft guidance system fails.

Guidance, Navigation and Control officers for Apollo 6 will be John A. Kamman and Briggs N. Willoughby. They will be responsible to the flight director for monitoring spacecraft guidance and propulsion systems.

Flight Dynamics Officers for the mission will be Jay H. Greene, Jerry C. Bostick and George Guthrie. They will be responsible to the flight director for monitoring the powered phase of the mission, orbital events, and trajectories from the standpoint of mission success.

Guidance Officers for Apollo 6 will be Neil B. Hutchinson, Stephen Bales, and Granville E. Paules. They will be responsible to the flight director for monitoring guidance, sequential and propulsion systems.

Retro controllers for the mission will be William P. Gravett, John S. Llewellyn, and James M. Payne. They will be responsible to the flight director for determination and transmission of retrofire times, either in the event of an abort, or the landing at the end of an orbit, or the landing at the end of the nominal mission.

Network Controllers for the Apollo 6 mission will be Ernest L. Randall, Douglas Wilson, George Egan and Larry Loner. They will be responsible to the flight director for capability of the network instrumentation required to support the flight.

The Public Affairs team for Apollo 6 is John E. McLeaish and Walter S. Fruland. They will be responsible for relaying to the news media all vital information concerning the mission.

The Recovery Operations Control Room in MCC will be manned by Harold E. Granger, recovery coordinator; Joe R. Vice, assistant coordinator; Francis G. Abernethy and William G. Robinson, recovery display; Richard D. Snyder and Fred H. Wrinkle, evaluator; and Richard W. Blakley and Raymond S. Watson, status.

Manning the Kennedy Space Center Recovery Control operation will be Ryborn R. Kirby and John H. Cooper.

-more-

Add 3

News Release #1

The recovery deactivation team for Apollo 6 will be Rod Bass and John Hirasaki.

Recovery representatives in Norfolk, Va. will be Edward C. Bullock and Laurence Roberts.

Kunia, Hawaii recovery operations will be manned by Donald E. Stulken and Charles R. Walker.

The Moron, Spain recovery operation will be manned by John Hoover.

In the Atlantic recovery zone the LST Austin (Ship No. 1) will be manned by Edward B. Petrash, Frank Mabley, and James Brandenburg. The Destroyer Dupont (Ship No. 2) will be manned by R. Lane Brown. The Destroyer York County (Ship No. 3) will be manned by Charles Anderson and James Williams. The Oiler Chikaskia (Ship No. 4) will be manned by Richard C. Jacobs.

Bermuda recovery operations will be manned by Ronald J. Simantel, Ralph Culbertson and James Larey.

Lajes, Azores and the Moron, Spain recovery operations will be manned by J. Dennis Holt.

Hickham, Hawaii recovery operations will be manned by Douglas Scoggins, Don Morris, Warren Glenn, Richard Coblentz, Frank Breshears, and David E. Peterson.

Onboard the prime recovery ship the LPH (Landing Platform Helicopter) Okinawa will be Charles C. Filley, W. B. Wood, John Hirasaki, James R. Sloan, Sheridan J. Berthiaume, and Frank Janes.

Onboard the Destroyer Carpenter in the primary recovery area in the Pacific will be Wayne H. Oldfield and Gary V. Wilgus.

Other Manning assignments in addition to the above in MCC are as follows:

-more-

Add 4

News Release #1

MCC/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>
DIRECTOR OF FLIGHT OPERATIONS	Christopher C. Kraft, Jr.	
FLIGHT DIRECTOR	Clifford E. Charlesworth	
ASSISTANT FLIGHT DIRECTOR	William E. Platt, Jr.	Jones W. Roach
OPERATIONS AND PROCEDURES	Richard H. Sutton	Harold M. Draughon
BOOSTER SYSTEMS	Robert W. Wolf Miles R. Robinson Philip J. Strausbaugh	Carl E. Amos J. Franklin Park Robert W. Puschinsky
EECOM	William C. Burton Charles L. Dumis	Thomas R. Loe
CONTROL	Joseph E. Borches, III	Richard W. Kalishek
GNC	John A. Kamman	Briggs N. Willoughby
FIDO	Jay H. Greene Jerry C. Bostick	George Guthrie
GUIDO	Neil B. Hutchinson Stephen Bales	Granville E. Paules
RETRO	William P. Gravett John S. Llewellyn	James M. Payne
AEROMED	John F. Zieglschmid, M.D. William R. Carpentier, M.D.	Kenneth N. Beers, M.D.
MISSION COMMENTARY	John E. McLeaish	Walter S. Fruiland
ASSISTANT TO MISSION COMMENTARY	Edward L. Worrell	
MCC PHOTOGRAPHER	Andrew Patnesky	
NETWORK CONTROLLER	Ernest L. Randall Douglas Wilson	George Egan Larry Lonero
MESSAGE COORDINATOR	Ada W. Moon Virginia Engle Nathan L. Adams	

-more-

Add 5

News Release #1

MCC/MOCR MANNING (CONT'D)

POSITION

SHIFT 1

SHIFT 2

NASA HEADQUARTERS

MISSION DIRECTOR

William C. Schneider

ASSISTANT MISSION DIRECTOR

Chester M. Lee

APOLLO OPERATIONS DIRECTOR

John K. Holcomb

STAFF ENGINEER

Philip J. Bayer
William M. Wallace

OPERATIONS PLANNING

Robert O. Aller

PAO LIAISON

Alfred P. Alibrando
W. J. O'Donnell
R. T. Mittauer

VIP CONSOLE

Eugene L. Wright

James D. Watkins

VIP ROOM

Thomas A. Stuart

-more-

Add 6

News Release #1

FLIGHT DIRECTOR SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>
Flight Planning	Ben E. Ferguson	
Crew Procedures	Dickie K. Warren Michael R. Walsh	James O. Rippey Muhammed Rahman
Plans	Robert G. Britton Granville A. Pennington Harold Black Edward B. Beatty	
Requirements Change Control	Mason Hagan J. Terry Wilson Richard L. Brown	
Back-up Data Flow Support	Harold B. Stenfors Joseph E. Johnston Fred R. Sanders	
LDX Coordinator	Michael R. Solomon	Donald O. Bray

SPACECRAFT ANALYSIS SSR

SPAN	Arnold D. Aldrich L. William Blair	Gerald D. Griffin
PROGRAM OFFICE SUPPORT	Alfred D. Mardel John D. Lobb Michael M. Vucelic Karren K. Hollenbeck James L. Tomberlin Donald J. Mayhew Gary A. Coultas	Owen E. Maynard Roland L. Robertson Rolf W. Lanzkron Douglas R. Broome

-more-

Add 7

News Release #1

VEHICLE SYSTEMS SSR

POSITION

SHIFT 1

Shift 2

G/N

Frank DiGenova

Frank Mussato

PROPULSION

Albert W. Barker

John E. Walsh

MESSAGE COORDINATORS

Shelia A. Nice

Diana R. Guy

ELECTRICAL POWER SYSTEM

William J. Moon

James J. Kelly

COMMUNICATIONS

Thomas L. Hanchett

Joseph N. DeAtkine

GUIDANCE NAVIGATION/
DIGITAL SYSTEMS

William H. Shook

ATTITUDE CONTROL SYSTEMS

L. Kenneth Whitfield

PROPULSION AND STRUCTURES
SYSTEMS

Paul E. Dixon

ELECTRICAL NETWORK SYSTEMS

John A. Smith

M. Ray Coker

AEROMED SSR

AEROMED

Clarence Jernigan, M.D.
Robert K. Leet, M.D.

G. Fred Kelly, M.D.
Roy Fagin, M.D.

ENVIRONMENTAL CONTROL SYSTEM

Morton Silver
Lloyd V. Howard

Frank H. Samonski
Robert E. Smylie
John E. Whalen
Donald F. Hughes
Richard J. Gillen

-more-

Add 8

News Release #1

FLIGHT DYNAMICS SSR

POSITION

SHIFT 1

SHIFT 2

FIDO SUPPORT

Maurice G. Kennedy

William M. Stoval

GUIDO SUPPORT

Charley B. Parker

RETRO SUPPORT

Bobby T. Spencer

Charles F. Deiterich

RECOVERY CONTROL ROOM

RECOVERY COORDINATOR

Harold E. Granger

ASSISTANT RECOVERY COORDINATOR Joe R. Vice

RECOVERY DISPLAY

Francis G. Abernethy
William G. Robinson

EVALUATOR

Richard D. Snyder
Fred H. Wrinkle

STATUS

Richard W. Blakley
Raymond S. Watson

-more-

Add 9

News Release #1

SSR/RTACF

POSITION

SHIFT 1

SHIFT 2

TRAJECTORY SUPPORT CHIEF

Stan D. Holzaepfel

ASSISTANT TRAJECTORY SUPPORT
CHIEF

Michael A. Collins

MANEUVER SPECIALIST

William J. Bennett
Ronny H. Moore

REENTRY SPECIALIST

Jon C. Harpold

POST FLIGHT OBSERVER

Donald J. Incerto
Ben F. McCreary
William R. Lacy

AGC SPECIALIST

John R. Garman
William C. Koelsch

John W. Jurgensen

ENGINEERING AIDE

Sandra L. Smith

AUXILIARY COMPUTING ROOM

ACR CHIEF

P. Al DiValerio

TRAJECTORY CONSULTANT

Jim Harrel
Bernard G. Schneider
J. Fred Martin
David C. McDougall
Jim W. Tolin

PROGRAM CONSULTANT

Owen Coon
Delores C. Moorehead
Dan Borkowski

RUN COORDINATOR

Jim E. Frieble
David Womac
Donald Tucker

ENGINEERING AIDE

Patsy A. Moore

-more-

Add 10

News Release #1

WEATHER ROOM

POSITION

SHIFT 1

SHIFT 2

SPACE ENVIRONMENT

Robert G. Richmond
Timothy T. White
John D. Whitler

Samuel N. Hardee
James R. Bates

METEOROLOGIST

Alan N. Sanderson
Roger K. Carter

Richard K. Siler
Edward F. Mitros

SOUND RECORDIST

Jerry D. Morris

WRITER/PRODUCER

Howard D. Wiseman

WEATHER CAMERAMAN

Charles M. Turner

Robert L. Geer

-more-

CCATS

POSITION

SHIFT 1

SHIFT 2

SHIFT 3

REAL-TIME COMMAND

Julius M. Conditt
Lawrence D. Meyer, Jr.

Henry Jenkins

CCATS COMMUNICATIONS

Charles W. Busch
Raymond L. Smith
Steve D. Richards
Robert C. Conner

Charles T. Richie
Oliver E. Allen
Gerald J. Coppens
Roger F. Brant

Marcus D. Garner
Donald G. Snyder

TELEMETRY INSTRUMENTATION
CONTROLLER

Donald J. Flippin
Wayman B. Boatman
Robert Gonzales

Paul D. Dell'Osso
Orlis V. Pike

Fidel R. Rul
Albert D. McLaughlin
Walter R. Hrab
Norman R. Talbott

CCATS COMMAND

Albert D. Heinz

Tommy R. Watts

CCATS TRACKING

George T. Williams
Edward W. Pickett

Ralph M. Mason

Donald E. Halter

REAL-TIME COMPUTER COMPLEX

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
COMPLEX SUPERVISOR	John V. Schnurbusch	Terry D. Wickham Rexfor C. Lint	Lawrence K. Tharp
CMCC Support	Larry A. Murrell Doyle D. Goodale Robert J. Gayle		
RTCC DIRECTOR	Charles A. Lander	Kenneth M. Ramke	Edgar M. Lancaster
DATA SELECT	Michael R. Felix	John A. Layton	Robert D. Allen
COMPUTER DYNAMICS	Edward F. Schoonover R. Ray Reynolds	Robert J. Donbroski Kenneth D. Leach	Glen S. Jackson
COMPUTER COMMAND	William N. Babb	Raphuel Sher	Robert F. Balderston
COMPUTER TM	Neldon J. Costin	John E. Cools, Jr. Harry R. Segnar	Daryl R. Galloway John C. Maguire

UNITED STATES GOVERNMENT

Memorandum

TO : See attached list

DATE: **JAN 12 1967**

FROM : FA/Director of Flight Operations

SUBJECT: Flight Control Manning for AS-204

1. Attached for information, guidance, and necessary action is the current manning list for MOCR/SSR badging for AS-204. In addition, the temporary badge requirements are identified by mission elements.

2. Action required:

a. Security Division - Request mission badges be prepared as required.

b. Security Division - Request names and security clearances be provided AFETR on flight controllers who will participate at these or associated installations.

3. Only flight controllers manning positions in the MOCR will be badged for that area. Flight controllers manning positions in the SSR's will be badged for the SSR areas only. The only deviation from this procedure will be those individuals named on the automatic access list.

4. All agencies requiring personnel access not listed in the attached manning list should submit a memorandum of justification to Mr. Jimmy W. McCommis, Flight Control Division, extension 2637. These should be submitted no later than two weeks before the mission.

5. Badge request cards, MSC Form 1872, for the names listed on the enclosure to this memorandum will be prepared by the Flight Control Division and will be signed in Block 9 by Mr. Jimmy W. McCommis. Subsequent badge requests will be approved as follows: Black A's by the undersigned or Mr. Sigurd Sjoberg; Red A's by the Flight Director as appropriate.


Christopher C. Kraft, Jr.

Enclosure

FC:EIFendell:jm



Addressees:

Director
DOD Manager's Manned Space Flight Office
Patrick AFB, Florida 32925

NASA Headquarters

MO/E. E. Christensen
MO-1/C. H. Bolender
MO-3/R. O. Middleton

Goddard Space Flight Center

550/T. Roberts
552/H. Wood
553/D. Call
554/J. J. Donegan
570/G. Castels

Kennedy Space Center

DLO/G. M. Preston
DLO-1/P. Donnelly

MSFC

I-MO MGR/F. A. Speer

MSC Houston

ZR2/R. E. Colopy
GSF-L/W. B. Easter
CA/D. K. Slayton
PA/J. F. Shea
W. A. Lee
PF/R. W. Lanzkron
DA/C. A. Berry
A. D. Catterson
DD/D. O. Coons
W. L. Tomkins (3)
DD4/J. F. Zieglschmid
AP/P. Haney
AP3/M. Reim
AC/A. G. Sabin
CF/W. J. North
CF32/J. B. Jones
EC8/L. E. Bell
EF2/P. Higgins
EX4/N. G. Foster
BR6/J. J. Cavanaugh
BM43/F. E. Reid

BF73/C. Johnston
EB/P. H. Vavra
BM/D. D. Blume
BM4/E. D. Shafer
FA/S. A. Sjoberg
C. C. Critzos
R. G. Rose
B. B. Bednarczyk
FA23/L. J. Sullivan
FS/H. E. Clements
FL/J. B. Hammack
FM/J. P. Mayer
FC/J. D. Hodge
P. Saur
E. F. Kranz
C. S. Harlan
G. S. Lunney
D. H. Owen
J. W. McCommis
D. B. Pendley
J. L. Tomberlin
R. A. Hoover
C. A. Beers
H. G. Miller
C. W. Casey
A. D. Aldrich
M. F. Brooks
A. W. Moon
S. R. Erwin (2)
G. H. Cress

AUTOMATIC BADGING FOR MCC-HOUSTON (including MOCR)

NASA HEADQUARTERS

James E. Webb
Robert Seamans
George E. Mueller
James C. Elms
Everett E. Christensen
Carroll H. Bolender
Roderick O. Middleton

DOD

Lt. General Leighton E. Davis
Major General Vincent G. Huston
Colonel Royce G. Olson
Lt. Colonel William T. Coleman
Commander Robert E. Colopy
Lt. Colonel E. Weber Ivy
Major Hugh Miller
Captain Clarence G. Kravec

MSC

Robert R. Gilruth
George M. Low
Robert O. Piland
Robert E. Vale
Paul Haney
Richard S. Johnston
Donald K. Slayton
Alan B. Shepard
Christopher C. Kraft, Jr.
Sigurd A. Sjoberg
John P. Mayer
Jerome B. Hammack
Henry E. Clements
John D. Hodge
Warren J. North
Joseph F. Shea
William A. Lee
J. Thomas Markley
Kenneth S. Kleinknecht
Rodney G. Rose
Carl Kovitz
Phillip N. Barnes
Robert H. Jones
Charles A. Berry, M. D.
Allan D. Catterson, M. D.
D. Owen Coons, M. D.

-Director
-Deputy Director
-Manager, Experiments Program Office
-Deputy Manager, Experiments Program Office
-Public Affairs Officer
-Chief, Crew Systems Division
-Director of Flight Crew Operations
-Chief, Astronaut Office
-Director of Flight Operations
-Deputy Director of Flight Operations
-Chief, Mission Planning and Analysis Division
-Chief, Landing and Recovery Division
-Chief, Flight Support Division
-Chief, Flight Control Division
-Chief, Flight Crew Support Division
-Manager, Apollo Spacecraft Program Office
-Assistant Manager, Apollo Spacecraft Program Office
-Assistant Manager, Apollo Spacecraft Program Office
-Assistant Manager, CSM, Apollo Spacecraft Program Office
-Technical Assistant for Apollo, Flight Operations Directorate
-Technical Assistant for Apollo, Flight Operations Directorate
-Control Center Support, Flight Support Division
-M and O Philco
-Director of Medical Research and Operations
-Medical Assistant to the Director of Medical Research & Operations
-Chief, Medical Operations Office

MCC-H/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
FLIGHT DIRECTOR	Christopher C. Kraft, Jr.	Eugene F. Kranz	John D. Hodge
ASSISTANT FLIGHT DIRECTOR	Charles S. Harlan	Lawrence S. Canin	Jones W. Roach
OPERATIONS & PROCEDURES	William Molnar, Jr.	Larry W. Keyser	John H. Temple
FLIGHT SURGEON	Charles A. Berry	D. Owen Coons	Alan D. Catterson
S/C COMMUNICATOR	James A. Lovell	Neil A. Armstrong	Allen L. Bean
BOOSTER SYSTEMS ENGINEER	Charles W. Casey Dexter H. Burdeshaw Robert W. Wolf		
GUIDANCE CONTROL	Gerald D. Griffin	Briggs N. Willoughby	Arnold D. Aldrich Talivaldis K. Sulmeisters
EECOM	Richard D. Glover	Thomas R. Loe	William C. Burton John W. Aaron
FIDO	Philip C. Shaffer Jerry C. Bostick	Maurice G. Kennedy	H. David Reed
GUIDO	Willard S. Presley Granville E. Paules	Walter W. Wells	Manfred H. Von Ehrenfried
RETRO	John S. Llewellyn	Charles F. Deiterich	James M. Payne
FLIGHT ACTIVITIES OFFICER	W. A. Anderson	Jeremy B. Jones	John B. Cotter
EXPERIMENT ACTIVITIES OFFICER	James R. Bates	Henry B. Fisher	Merril A. Lowe
VIP ROOM	Carl B. Shelley		

MCC-H/MOCR MANNING (cont'd)

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
NETWORK CONTROLLER	Ernest L. Randall	Richard G. Ayers	Lawrence Lonero
ASSISTANT NETWORK CONTROLLER	John W. Hatcher	George M. Egan, Jr.	Douglas R. Wilson
PUBLIC AFFAIRS OFFICER	Paul Haney	Bennett James	Robert T. White
ASSISTANT DIRECTOR	Allison M. Bond	Saul B. Weil	Edward L. Worrell
SYSTEMS P-TUBE OPERATOR	Donald O. Bray	Ernest L. Starling	
<u>NASA HEADQUARTERS</u>			
MISSION DIRECTOR	Carroll H. Bolender		
	Roderick O. Middleton		
	Chester M. Lee		
	John K. Holcomb		
	Robert O. Aller		
	G. Robert Blicht		
	Robert B. Sheridan		

COMPUTER CONTROL SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
COMPLEX SUPERVISOR	Neil Hutchinson	Roger W. Forte	John C. Koester
HIGH SPEED DATA SELECT	Bailey L. Corbett	Ewald G. Kuehn	John L. Morrison
LOW SPEED DATA SELECT	Robert A. Folk	Robert D. Allen	Joe W. Driesbach
COMPUTER DYNAMICS	Gene D. Carlow	Robert E. Oliver	James H. Summers
	Roland B. Williams	Sandra Lenz	Daniel G. Nichols
COMPUTER COMMAND	Freddie R. Heath	James L. Reece	John C. Broughton
COMPUTER TELEMETRY	James H. Dobbins	W. Lybarger	Douglas B. Sperry
	James R. Roundtree		

BOOSTER SYSTEMS SSR

GUIDANCE NAVIGATION/ DIGITAL	William H. Shook	Paul A. Hoffman
ATTITUDE CONTROL SYSTEMS	Lawrence K. Whitfield	Miles R. Robinson
PROPULSION & STRUCTURES SYSTEMS	Phillip J. Strausbaugh	Ronald A. Ammons
ELECTRICAL NETWORK SYSTEMS	John A. Smith	Roger T. Goers

VEHICLE SYSTEMS SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
ELECTRICAL POWER SYSTEM/SEQUENCE	Charles M. Jones	David R. Lund	John A. Delmont James J. Kelly
COMMUNICATION/ INSTRUMENTATION	Thomas E. Hanchett	Richard T. Brown	Joel V. Fears
PROPULSION	Joseph E. Borches	John A. Kamman Bartus H. Batson	William A. Fretwell
GUIDANCE & NAVIGATION	Frank J. Mussato Gary E. Coen	Alfred P. Sanders	Richard W. Kalishek Antonio I. Chavez
MIT SUPPORT	Americo P. Aruffo	Salvi J. Laquidara	
TTY OPERATOR	Ada W. Moon	Dorothy M. Westover	Evelyn D. Langford
S-BAND SUPPORT	Howard C. Kyle Donald A. Travis D. L. Brunn	Clyde J. Stoker James W. Bailey J. F. De Witt	Jack W. Seyl Robert W. Moorehead
EXPERIMENT SYSTEMS	Charles L. Dumis	Ted A. White	Myles E. Franklin

SSR/RTACF

SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
TRAJECTORY SUPPORT CHIEF	Michael A. Collins, Jr.	Larry D. Davis	Charles E. Allday
ASSISTANT TRAJECTORY SUPPORT CHIEF	Thomas Carter	Stanley D. Holzaepfel	Hector Garcia
LAUNCH SPECIALIST	Herbert S. Estes		
MANEUVER SPECIALIST	Robert Regelbrugge		
REENTRY SPECIALIST	David W. Heath		Oliver Hill
AGC SPECIALIST	Stanley P. Mann		
ENGINEERING AIDE	Mary McKee	Di Ann Sneed	Faye Permenter
	Patsy Ann Moore		Sandra DeWitt
POST FLIGHT OBSERVER	Donald J. Incerto		
		<u>RTACF</u>	
RTACF CHIEF	Richard Kincade	E. Ray Hischke	M. Williamson
TRAJECTORY CONSULTANT	Alexie H. Benney A. Treadway David J. Griffith Oliver Hill William A. Reini Jerome W. Kahanek	William R. Pruett J. Terry Edward J. Archibald Jim V. Butler	Michael E. Donahoo James R. Larey Fred Martin
PROGRAM CONSULTANT	Darold B. Franklin	Loyd M. Quinn	Donald L. Ward
	George B. Rousch	James D. Borkowski	
RUN COORDINATOR	Kenneth Williams	Edward L. Beck	James E. Friebele
ENGINEERING AIDE	Penelope McGowen		Gloria Dery

AEROMED SSR

POSITION

SHIFT 1

SHIFT 2

SHIFT 3

AEROMED

John F. Zieglschmid

Kenneth N. Beers

Phillip N. Freedland

H. Russell Hair, II

Emmett B. Ferguson

Lonnie Hammargrand

AEROMED 3

Judith B. Banks

Patricia McBride

Evelyn Lindquist

Jackie Rogers

Rose Ostrum

Carol Yeager

Sharon Hardy

ENVIRONMENTAL CONTROL
SYSTEMS

Morton Silver

Lloyd V. Howard

Hubert V. Grogan

LIFE ENVIRONMENT
SPECIALISTS

Frank H. Samonski, Jr.

Donald F. Hughes

Richard J. Gillen

Walter W. Guy
John E. Whalen

Larry E. Bell

Charles N. Crews

FLIGHT DYNAMICS SSR

GUIDO

Charley B. Parker

Kenneth W. Russell

FIDO

Jay H. Greene

George C. Guthrie

Stewart L. Davis

RETRO

James E. I'Anson

Bobby T. Spencer

William P. Gravett

WEATHER

SPACE ENVIRONMENT CONSOLE

David A. Beckman

William P. Gatlin

John L. Shone

John D. Whitler

Harold Black

SPACECRAFT ANALYSIS ROOM

POSITION

SHIFT 1

SHIFT 2

SHIFT 3

SPAN

L. William Blair

Louis A. DeLuca

Johnny L. Ferry

PROGRAM OFFICE SUPPORT

A. D. Mardel

W. H. Taylor

Allan W. Joslyn

Owen E. Maynard

Aaron Cohen

R. W. Lanzkron

K. L. Nelson

Frank H. Beardsley

J. P. Loftus

Sidnay C. Jones, Jr.

John D. Lobb, Jr.

Donald J. Mayhew

Jerry W. Craig

Robert E. McKann

William M. Speier

Charles R. Haines

Susan M. Cardenas

FLIGHT DIRECTOR SSR

Edward B. Beatty

PLANS

James O. Covington

Billy T. Hervey

William G. Bastedo

CREW PROCEDURES

Richard B. Benson

Charles Davis

Leonard J. Riche

CREW EXPERIMENTS

George Laski

Leslie L. Jepsen

Richard E. Thompson

EXPERIMENT ACTIVITY
SUPPORT

James E. Duvall

Roland Travis

Richard F. Schultheiss

REQUIREMENTS CHANGE
CONTROL

Richard L. Brown, Sr.

Ronald J. Duhon

Carroll D. Buford

DATA FLOW SUPPORT

Edward L. Dunbar

Joseph E. Johnston

Donald C. Eaton

CCATS

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
REAL TIME CMD CONTROLLER	Earl V. Carr	Thomas Guy	Lawrence D. Meyer
CMD LOAD CONTROLLER	Thomas A. Stuart	Roger F. Brant	James C. Kitchen
CCATS CMD CONTROLLER	James E. Mager	Thomas R. Watts	Glenn H. Spears
CCATS COMPUTER CONTROLLER	Max C. Smith	Glyn R. LeBlanc	Billy D. Janeway
TLM INSTRUMENTATION CONTROLLER	Walter B. Hrab	Donald J. Flippin	Jerry E. Brown
CCATS TLM CONTROLLER	August H. Degner	Robert Gonzales	Wayman B. Boatman
INSTRUMENTATION TRACKING CONTROLLER	Thomas J. Lubischer	G. Thomas Williams	Donald E. Webb
	Eugene L. Wright	Ralph M. Mason	Joseph L. James

AS-204 REMOTE SITE MANNING

<u>SITE</u>	<u>CAPCOM</u>	<u>EECOM</u>	<u>GNC</u>	<u>SIVB</u>
CRO	Charles R. Lewis	Richard F. Polmanteer	Joseph Fuller, Jr.	Roy E. Day William E. McCumber
VAN	Edward I. Fendell	William L. Wafford Joseph N. DeAtkine	Robert F. Grasmeder	
CSQ	Harold M. Draughon	Richard A. Gardner	William J. Strahle	
RKV	Gary B. Scott	William J. Moon	Frank Digenova	
GYM	A. Stuart Davis	Eugene W. Burrill Floyd E. Claunch	Gene F. Muse	Myron C. Hayes

AEROMEDS

CRO	Wing Cdr. L. N. Walsh	T. C. Brown
VAN	G. Fred Humbert	Cdr. Samuel A. Youngman
CSQ	Major James F. Whitmer	Captain Burton H. Kaplan
RKV	Cdr. Robert W. Maher	Major Jefferson C. Davis
GYM	C. Doug Henderson	Major Robert M. Rowden

TEMPORARY BADGE REQUIREMENTS
FOR MOCR/SSR

<u>ORGANIZATION</u>	<u>MOCR</u>	<u>SSR</u>
Flight Dynamics	3	9
Flight Crew	1	NA
Booster Systems	4	8
ASPO/A. D. Mardell	3	10
Procedures	1	3
AFD	1	3
Aeromed	1	1
Weather	2	1
Network/DOD	4	6
PAO	1	NA
FAO	2	5
EPO	NA	2
EAO	1	3
FCD	2	0
EECOM/FCD	1	3
GNC/FCD	1	3
L. W. Blair/NAA	1	3
FSD	3	0
PHILCO (includes SWBT)		
Comm	3	5
Display	6	12
TIM	0	2
Tech Ops	2	0
Flight Director	2	0

TEMPORARY BADGE REQUIREMENTS FOR MOCR/SSR (continued)

<u>ORGANIZATION</u>	<u>MOCR</u>	<u>SSR</u>
Flight Support Division (to be kept at the console in the second floor Viewing Room)	6 (with V's)	
J. M. Satterfield	2 temporary V's	
Tech Services Division	0	6

UNITED STATES GOVERNMENT

Memorandum

42267

TO : See attached list

DATE: SEP 17 1968

FROM : FA/Director of Flight Operations

SUBJECT: Flight Control Manning for Apollo 7

1. Attached for information, guidance, and necessary action is the current manning list for MOCR/SSR badging for Apollo 7. In addition, the temporary badge requirements are identified by mission elements.

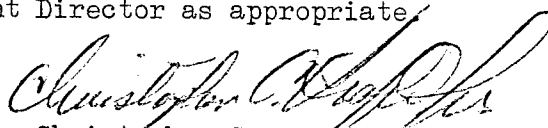
2. Action required:

a. Security Branch - Request mission badges be prepared as required.

b. Further, request names and security clearances be provided AFETR on flight controllers who will participate at these or associated installations.

3. All agencies requiring personnel access not listed in the attached manning list should submit a memorandum of justification and MSC Form 1872 to Mr. Cecil E. Dorsey, Flight Control Division, extension 2637. These should be submitted no later than two weeks before the mission.

4. As required by Security, badge request cards, MSC Form 1872, for the names listed on the enclosure to this memorandum will be prepared by the Flight Control Division and will be signed in Block 9 by Mr. Eugene F. Kranz. Subsequent badge requests will be submitted and approved as follows: Black A's by the undersigned or Mr. Sigurd A. Sjoberg; Red A's by the Flight Director as appropriate.


Christopher C. Kraft, Jr.



5010-108

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9/17/68 077-54

CONTINUING ACCESS LIST FOR MISSION CONTROL CENTER*

NASA HEADQUARTERS

James E. Webb
George E. Mueller
Samuel C. Phillips
George H. Hage
John D. Stevenson
Alfred P. Alibrando
Edgar M. Cortwright
William C. Schneider

MANNED SPACECRAFT CENTER

Robert R. Gilruth
George S. Trimble
Paul Haney
William B. Easter
Donald K. Slayton
Alan B. Shepard, Jr.
Warren J. North
Charles A. Berry, M.D.
Allen D. Catterson, M.D.
D. Owen Coons, M.D.
W. Royce Hawkins, M.D.
Richard S. Johnston
Christopher C. Kraft, Jr.
Sigurd A. Sjoberg
Rodney G. Rose
Eugene F. Kranz
Jerome B. Hammack
John P. Mayer
Howard W. Tindall, Jr.
Lynwood C. Dunseith
John A. Frere, Jr.
Samuel D. Sanborn
Phillip N. Barnes
Robert H. Jones
George M. Low
Carroll H. Bolender
Kenneth S. Kleinknecht
Scott H. Simpkinson
Aleck C. Bond
James H. Moore

DEPARTMENT OF DEFENSE

Major General Vincent G. Huston
Major General David M. Jones
Colonel Royce G. Olson
Colonel James G. Smith
Commander Robert E. Colopy
Commander Robert P. Gaardner
Lt. Colonel T. G. A. Welch
Major John F. Rapp

*Updated for Apollo 7

MCC/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
DIRECTOR OF FLIGHT OPERATIONS	Christopher C. Kraft, Jr.		
FLIGHT DIRECTOR	Glynn S. Lunney	Eugene F. Kranz	Gerald D. Griffin
ASSISTANT FLIGHT DIRECTOR	Edward I. Fendell	Perry L. Ealick	Charles S. Harlan
BOOSTER SYSTEMS #1	William L. Brady		
BOOSTER SYSTEMS #2	W. Howell Hooper		
FAO	Charles L. Stough	Tommy W. Holloway	William M. Anderson
OPERATIONS AND PROCEDURES	William Molnar, Jr.	Larry W. Keyser	John H. Temple
FIDO	Philip C. Shaffer	Jay Greene William J. Boone, III	Stewart L. Davis Jerry C. Bostick
GUIDO	Willard Presley J. Gary Renick	Stephen Bales Charley B. Parker	Granville E. Paules
RETRO	John S. Llewellyn	Thomas E. Weichel David V. Massaro	James M. Payne
PAO	Paul Haney	John E. Riley	Bennett W. James
PAO CONSOLE ASSISTANT	Charles A. Biggs <i>AL Bond</i>	Dr. Matt L. Story	Vernon E. Powell
MCC PHOTOGRAPHER	Andrew Patnesky		
GNC	Briggs N. Willoughby Lawrence S. Canin	John A. Kamman	William J. Strahle Gary E. Coen
EECOM	John W. Aaron	William C. Burton	Thomas R. Loe Charles L. Dumis

MCC/MOCR MANNING CONT'D

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
PAO LIAISON	Milton Reim		
NETWORK CONTROLLER	Ernest L. Randall Douglas R. Wilson	George D. Ojalehto Thomas Guy	George M. Egan John A. Monkvic
SURGEONS	W. R. Hawkins, M.D.	J. F. Zieglschmid, M.D.	Kenneth N. Beers, M.D.
CAPCOMS	Thomas P. Stafford John L. Swigert	Ronald E. Evans John W. Young	William R. Pogue Eugene A. Cernan
<u>NASA HEADQUARTERS</u>			
MISSION DIRECTOR	William C. Schneider	Chester M. Lee	Thomas H. McMullen
ASSISTANT MISSION DIRECTOR	John K. Holcomb Robert C. Turgeon	Fred E. Stout	William M. Wallace
OMSF PAO	Alfred P. Alibrando		

VEHICLE SYSTEMS SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
EPS	William J. Moon Lyle M. VandeZande	James J. Kelly	Joseph L. Pringle
COMMUNICATIONS	Joseph N. DeAtkine* William P. MacGregor	Richard T. Brown*	Thomas L. Hanchett*
PROPULSION	Joseph E. Borches Albert W. Barker	Orville J. Hokscho John E. Walsh	Nathan J. Adams William G. Weppner
G/N	Frank J. Mussato Gerald P. Walsh	Frank DiGenova	Richard A. Precourt Charles T. Essmeier
MESSAGE COORDINATORS	Ada W. Moon*	Frances R. Vasquez	O. Diann Merrell
BSE PROPULSION AND STRUCTURES SYSTEMS	Paul E. Dixon T. E. Ward		
BSE CONSUMABLES	Richard A. Palmer		
BSE ATTITUDE CONTROL SYSTEMS	Myron C. Hayes		
BSE ELECTRICAL NETWORK SYSTEMS	Rodger T. Goers		
BSE GUIDANCE NAVIGATION/DIGITAL SYSTEMS	Roy E. Day		

*Will require MOCR Badging

SPACECRAFT ANALYSIS SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
SPAN TEAM LEADER	Owen E. Maynard	Donald D. Arabian	Aaron Cohen
SPAN/45 OPERATIONS INTEGRATION	John D. Lobb		
CSM PROJECT ENGINEER	Terry L. Whalen Rolf W. Lanzkron	Dan A. Nebrig	Douglas R. Broome Donald J. Mayhew
DISPLAY CONTROL	Roy Golub Paul Sobolik	Joseph L. Shady	Eldon Jeffers
SPACECRAFT SYSTEMS OPERATIONS & PLANS	William R. Morrison	Richard M. Kohrs	Charles M. Glancey
NR REP CHIEF	Michael M. Vucelic		
FLIGHT CONTROL DIVISION REPRESENTATIVE	Arnold D. Aldrich* L. William Blair *	Neil B. Hutchinson*	Seymour A. Liebergot*

*Requires green MOCR badge as position entails both SSR and MOCR responsibilities

FLIGHT DIRECTOR SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
MRE	Bobby L. Kyle		
DATA FLOW SUPPORT	Edwin B. Beatty		
RCC	James E. Wallace		
FLIGHT CREW PROCEDURES	John V. Rivers	Wood Calvert	Gordon Teveldahl
FLIGHT CREW EXPERIMENTS	George Laski	Gerald L. Shinkle	Robert H. Nute
FLIGHT CREW ANALYSIS MANAGER	Helmut A. Kuehnelt		
CLERICAL SUPPORT	Virginia Ellis	Barbara McClelland	Nathan Leech
PLANS	Donald E. Holkan Barry M. Wolfer	Harley L. Weyer	Granvil A. Pennington
MISSION STAFF ENGINEER	Manfred H. von Ehrenfried	James L. Tomberlin	M. Wayne Beheler

FLIGHT DYNAMICS SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
TRAJECTORY SUPPORT CHIEF	Charles E. Allday	Stan D. Holzaepfel	Larry D. Davis
ASSISTANT TRAJECTORY SUPPORT CHIEF	E. Ray Hischke		Hector Garcia
REENTRY SPECIALIST	David W. Heath Oliver Hill		
POSTFLIGHT OBSERVER	Donald J. Incerto Ben F. McCreary	William R. Lacy	Frank J. Smith
RENDEZVOUS SPECIALIST	Kenneth A. Young		
MANUEUVER SPECIALIST	Robert R. Regelbrugge		
PRE-LAUNCH IP SPECIALIST	Samuel R. Newman		
AGC SPECIALIST	John R. Garman Claude D. Sykes	John W. Jurgensen Walter S. Ankney	Frances J. Kastellic Garner R. Kimball
ENGINEERING AIDES	Patsy Moore Gwendolyn Arrington Charlotte Toole	Evelyn D. Langford	Susan Hallmark Pricilla Lankford Carolyn Trigg
CONSTANTS SPECIALIST	Michael A. Collins		
<u>SSR/RTACF</u>			
ACR CHIEF	C. Dan Chenoweth	Ronald D. Davis	P. Al DiValerio
RUN COORDINATORS	Diana R. Wiggins	David Womack	Jim F. Frieble

RECOVERY CONTROL ROOM

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
RECOVERY COORDINATOR	Jerome B. Hammack	John C. Stonesifer	H. E. Granger
ASSISTANT RECOVERY COORDINATOR	Francis G. Abernethy	Edward C. Bullock	John E. Hoover
EVALUATOR	R. S. Watson	Charles R. Walker	William G. Robinson
STATUS	George L. Richeson	Gary V. Wilgus	John H. Cooper
SECRETARIAL	Nancy C. Pollock	Penny J. Cooke	
ASPO RECOVERY REPRESENTATIVE	Donald T. Hamilton		

WEATHER ROOM

METEOROLOGIST	Alan N. Sanderson Ken Nagler Richard L. Urbanak	Richard K. Siler Edward F. Mitros	Roger K. Carter Searl E. Richards
SPACE ENVIRONMENT (SEC)	Gary B. Scott Alva C. Hardy Timothy T. White	Billy T. Hervey James R. Bates Samuel N. Hardee	John D. Whitler Manuel D. Lopez Robert G. Richmond

AEROMED SSR

POSITION

SHIFT 1

SHIFT 2

SHIFT 3

ECS

John P. Byers
Kenneth E. Haithcoat

Lloyd V. Howard
Hubert V. Grogan

George W. Conway

SURGEONS

G. F. Humbert, M.D.
R. A. Pollard, M.D.

G. Sales, M.D.
R. Fagen, M.D.

J. Teegan, M.D.
S. L. Pool, M.D.

MESSAGE COORDINATORS

Phyllis Johnson

Joanne Hulo

Fran Moore

ITT/FEC MATH AIDES

Sandra Smith

Bonnie Hester

Judy Ferstl

CCATS

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
DOCUMENTATION	Harold E. Smoak	Calista E. Head	Robert G. Stone
COMMUNICATIONS CONTROL	Oliver E. Allen Marcus D. Garner	Steve D. Richards Raymond L. Smith	Donald G. Snyder Gerald J. Coppens
TRACK	Kenneth D. McDonald Donald E. Webb Ronald De Cosmo	Donald E. Halter Ralph M. Mason	Walter E. Soetaert Edward W. Pickett
RTC	Ronald E. Warren	Glenn Spears	Julius Conditt
CLC	Eldon E. Payne	Thomas R. Watts	Eugene Isaiah
CCC	Charles M. Horstman	Robert Chapman	Thomas Bowen
TIC	August Degner	Norm Talbott	Walter Hrab
CTC	Wayne Boatman	Orlis Pike	Al D. McLaughlin

REAL-TIME COMPUTER COMPLEX

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
COMPLEX SUPERVISOR	Elden G. Clayton Lawrence K. Tharp	Roger W. Forte	Gene D. Carlow
COMPUTER DYNAMICS	Rowland B. Williams Thomas M. Hickey	James H. Dobbins	Jimmie L. Donald Edward M. Kramer
DATA SELECT	Robert A. Folk Earl L. Shinpaugh	John L. Morrison James H. Davis	Guy R. Stockton Larry E. Westberry
COMPUTER COMMAND	Eugene L. Campbell Joe Tezeno, Jr.	Daniel G. Nichols William R. Surles	Christopher W. Zinn Raphael Sher
COMPUTER TELEMETRY	Jimmy E. Beaves Bailey L. Corbett	Douglas B. Sperry Morris V. Fanelli	Ronald J. Mayes Pete A. Garcia
RTOS SPECIALIST	Kenneth B. Adams Robert A. Sormani Richard G. Dorman Jimmy R. Gilbert	Stephen A. Hudson Patricia A. Raby Kenneth W. Westerfeld	Robert J. O'Neil Gary S. Petersen Jerry T. Kilpatrick
PRINTER CONTROLLER	James R. Beach John D. Hickman Ronald L. New Richard L. Phillips Cecil W. Rogers Ronald E. Vis Charles H. Sadik Gary L. Warner Ralph T. Simermeyer	Robert J. Barrett John M. Burt William N. Chastang William T. McFerren	Michael J. Carey Leonard L. Gailey Robert P. Horst Jimmy D. Long John P. Ware Rowland B. Williams
MISSION SPECIALIST-CMCC		Thomas M. Conway	
COMPUTER OPS SUPPORT	E. Mason Lancaster Donald E. Willis Kenneth M. Ramke Robert M. Bond		

Klate Holt Co. ALL MISSION BADGE REQUIREMENTS

George Foster
Mose Boyd
Klate Holt
Wallace R. Kirk
Willie Hobbs
Martin Gracey
Harold Franks
Larry Mitchell

Klate Holt Co. ALL MISSION BADGE REQUIREMENTS

(EXCEPT COMPUTER ROOM)

Samuel Jeffery
Curtis Doucet
Norman Muellion
Robert Coloty
Alfredo Garcia
Samuel L. Jackson
Tom Goff, Jr.
Albert L. Anderson
Jo E. Ashford
Riley Nobles
Cleola Burleson
Leo O. Franklin
Otis C. Long
Roberta Gibson

"V" Badge Requirements

LaRue W. Burbank
J. D. Watkins
K. J. Allen
Edward S. Barker
William Der Bing
Walter S. Fruland
Robert J. McMurrey
John L. Carlisle
Donald M. Cochran
George S. Hebert
Raymond W. Luce
David R. Provenzano
Robert D. Watson
Robert Holberg

Television Editors

~~Sanford M. Ullman~~

~~Robert O. Workman~~

Tom Wymston

Richard Mottman

SIMULATION CONTROL AREA ACCESS LIST FOR APOLLO 7

<u>NAME</u>	<u>TYPE BADGE</u>
Harold G. Miller (NASA)	B&D
Richard H. Koos (NASA)	B&D
Gerald D. Griffith (NASA)	B&D
Carl B. Shelley (NASA)	B&D
Leon H. Payne (NASA)	B&D
John D. Blalock (NASA)	B&D
Edward L. Heinz (USAF)	B&D
Donald H. Clegg (USAF)	B&D
Leo A. Reitan (NASA)	B&D
Eugene B. Chmielewski (PHO)	B&D
John R. Wills (NAR)	B&D
John T. Cox (NASA)	B&D
Chester A. Lowe (USAF)	B&D
Robert J. Williams (NASA)	B&D
Robert K. Holkan (NASA)	B&D
Lamar E. Ledbetter (USAF)	B&D
Goodwill S. Murray (USAF)	B&D
Robert L. Myers (NASA)	B&D
Jerry W. Mill (NASA)	B&D
Tandy N. Bruce (NASA)	B&D
Peter Klapack (PHO)	B&D
Lawrence S. Muzny (PHO)	B&D
William C. Boyd (NASA)	B&D
Charles K. Alford (NASA)	B&D
Rex L. Lutes (PHO)	B&D
Charles A. Gay (PHO)	B&D
H. Kraus (Bellcomm - Hdq.)	B&D
J. E. Johnson (Bellcomm - Hdq.)	B&D
Bruce G. Casserly (NASA)	B&D
Albert M. Crowder, Jr. (NASA)	B&D
J. C. Gillis (NASA)	B&D
William A. Hill (NASA)	B&D
Ronald D. Kiehn (NASA)	B&D
John R. Smith (NASA)	B&D
Quincy J. Vandervort (NASA)	B&D
Louis E. Harth (NASA)	B&D
Leonard V. Conn (PHO)	B&D
Pantaleon Moreno (NASA)	B&D
Peter Segota (NASA)	B&D
Charles N. Stearns (PHO)	B&D
Dennis L. Goeddel (NASA)	B&D
David L. Walker (NASA)	B&D
Donald L. Finley (NAR)	B&D
W. Neil King (NASA)	B&D
Miles G. Springfield (NASA)	B&D
Efren Calvillo (NASA)	B&D
James A. Miller (NASA)	B&D
Charles R. Edwards (NASA)	B&D

TEMPORARY BADGE REQUIREMENTS FOR MOCR/SSR

<u>ORGANIZATION</u>	<u>GREEN MOCR</u>	<u>PINK SSR</u>	<u>WHITE C</u>
Flight Director	2	0	
Flight Dynamics	3	9	
Flight Crew	1	4	
Booster Systems	4	8	
ASPO/John Lobb	3	8	
Procedures/AFD/FCD	3	5	
Aeromed (controlled by Dr. Berry)	2	0	
Environmental Control Systems (Aeromed SSR)	0	2	
Weather	2	0	4
DOD	2	0	
PAO	2	0	
Recovery	3	0	12
SEC (Space Radiation)	0	0	3
EECOM (CSM)	2	4	
GNC (CSM)	2	4	
A. D. Aldrich/FCD SPAN	3	4	
ESB/Myles E. Franklin	0	3	
Flight Support Division	9	0	
Systems Engineering Branch	2	0	
Network	3	0	
Philco			
Comm	6	0	
Display	6	0	
Tech Ops	3	0	

TEMPORARY BADGE REQUIREMENTS FOR MOCR/SSR (CONT'D)

<u>ORGANIZATION</u>	<u>GREEN MOCR</u>	<u>PINK SSR</u>	<u>WHITE C</u>
SWBT/AR&T (to be controlled by Hou-Comm Controller	0	5	
Tech Services Division	0	6	

"V" Badge Requirements

LaRue W. Burbank 266
 J. D. Watkins 267
 K. J. Allen 268
 Edward S. Barker 269
 William Der Bing 270
 Walter S. Fruland 271
 Robert J. McMurrey 272
 John L. Carlisle 273
 Donald M. Cochran 274
 George S. Hebert 275
 Raymond W. Luce 276
 David R. Provenzano 277
 Robert D. Watson 278
 Robert Holberg 279

Television Editors 280 Sanford M. Ullman 281 Robert O. Workman

INDEXING DATA

DATE	OPR	#	T	REV	SUBJECT	SIGNATOR	LOC
01-11-65	W.C.		M	REV			277-29

SIMULATION CONTROL AREA ACCESS LIST FOR APOLLO 7

<u>NAME</u>	<u>TYPE BADGE</u>
282 Harold G. Miller (NASA)	B&D
283 Richard H. Koos (NASA)	B&D
284 Gerald D. Griffith (NASA)	B&D
285 Carl B. Shelley (NASA)	B&D
286 Leon H. Payne (NASA)	B&D
287 John D. Blalock (NASA)	B&D
288 Edward L. Heinz (USAF)	B&D
289 Donald H. Clegg (USAF)	B&D
290 Leo A. Reitan (NASA)	B&D
291 Eugene B. Chmielewski (PHO)	B&D
292 John R. Wills (NAR)	B&D
293 John T. Cox (NASA)	B&D
294 Chester A. Lowe (USAF)	B&D
295 Robert J. Williams (NASA)	B&D
296 Robert K. Holkan (NASA)	B&D
297 Lamar E. Ledbetter (USAF)	B&D
298 Goodwill S. Murray (USAF)	B&D
299 Robert L. Myers (NASA)	B&D
300 Jerry W. Mill (NASA)	B&D
301 Tandy N. Bruce (NASA)	B&D
302 Peter Klapack (PHO)	B&D
303 Lawrence S. Muzny (PHO)	B&D
304 William C. Boyd (NASA)	B&D
305 Charles K. Alford (NASA)	B&D
306 Rex L. Lutes (PHO)	B&D
307 Charles A. Gay (PHO)	B&D
308 H. Kraus (Bellcomm - Hdq.)	B&D
309 J. E. Johnson (Bellcomm - Hdq.)	B&D
310 Bruce G. Casserly (NASA)	B&D
311 Albert M. Crowder, Jr. (NASA)	B&D
312 J. C. Gillis (NASA)	B&D
313 William A. Hill (NASA)	B&D
314 Ronald D. Kiehn (NASA)	B&D
315 John R. Smith (NASA)	B&D
316 Quincy J. Vandervort (NASA)	B&D
317 Louis E. Harth (NASA)	B&D
318 Leonard V. Conn (PHO)	B&D
319 Pantaleon Moreno (NASA)	B&D
320 Peter Segota (NASA)	B&D
321 Charles N. Stearns (PHO)	B&D
322 Dennis L. Goeddel (NASA)	B&D
323 David L. Walker (NASA)	B&D
324 Donald L. Finley (NAR)	B&D
325 W. Neil King (NASA)	B&D
326 Miles G. Springfield (NASA)	B&D
327 Efren Calvillo (NASA)	B&D
328 James A. Miller (NASA)	B&D
329 Charles R. Edwards (NASA)	B&D

TEMPORARY BADGE REQUIREMENTS FOR MOCR/SSR

<u>ORGANIZATION</u>	<u>GREEN MOCR</u>	<u>PINK SSR</u>	<u>WHITE C</u>
Flight Director	2	0	
Flight Dynamics	3	9	
Flight Crew	1	4	
Booster Systems	4	8	
ASPO/John Lobb	3	8	
Procedures/AFD/FCD	3	5	
Aeromed (controlled by Dr. Berry)	2	0	
Environmental Control Systems (Aeromed SSR)	0	2	
Weather	2	0	4
DOD	2	0	
PAO	2	0	
Recovery	3	0	12
SEC (Space Radiation)	0	0	3
EECOM (CSM)	2	4	
GNC (CSM)	2	4	
A. D. Aldrich/FCD SPAN	3	4	
ESB/Myles E. Franklin	0	3	
Flight Support Division	9	0	
Systems Engineering Branch	2	0	
Network	3	0	
Philco			
Comm	6	0	
Display	6	0	
Tech Ops	3	0	

TEMPORARY BADGE REQUIREMENTS FOR MOCR/SSR (CONT'D)

<u>ORGANIZATION</u>	<u>GREEN</u> <u>MOCR</u>	<u>PINK</u> <u>SSR</u>	<u>WHITE</u> <u>C</u>
SWBT/AR&T (to be controlled by Hou-Comm Controller	0	5	
Tech Services Division	0	6	

UNITED STATES GOVERNMENT

Memorandum

TO : See attached list

DATE: DEC 9 1968

FROM : FA/Director of Flight Operations

SUBJECT: Flight Control Manning for Apollo 8

1. Attached for information, guidance, and necessary action is the current manning list for MOCR/SSR badging for Apollo 8. In addition, the temporary badge requirements are identified by mission elements.

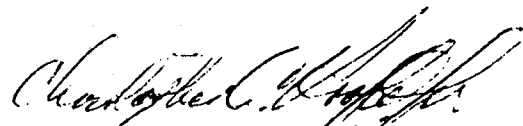
2. Action required:

a. Security Branch - Request mission badges be prepared as required.

b. Further, request names and security clearances be provided AFETR on flight controllers who will participate at these or associated installations.

3. All agencies requiring personnel access not listed in the attached manning list should submit a memorandum of justification and MSC Form 1872 to Mr. Cecil E. Dorsey, Flight Control Division, extension 2637. These should be submitted no later than two weeks before the mission.

4. Security will prepare badge request cards, MSC Form 1872, for the names listed on the enclosure to this memorandum. Subsequent badge requests will be submitted and approved as follows: Black A's by the undersigned or Mr. Sigurd A. Sjoberg; Red A's by the Flight Director as appropriate.


Christopher C. Kraft, Jr.

Enclosure



5010-108

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

MCC/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
DIRECTOR OF FLIGHT OPERATIONS	Christopher C. Kraft, Jr.		
FLIGHT DIRECTOR	Clifford E. Charlesworth	Glynn S. Lunney	Milton L. Windler
ASSISTANT FLIGHT DIRECTOR	Harold M. Draughon Jones W. Roach	William E. Platt	Perry L. Ealick Charles S. Harlan
BOOSTER SYSTEMS #1	Frank L. VanRensselaer R. Scott Hamner		
BOOSTER SYSTEMS #2	Philip J. Strausbaugh		
BOOSTER SYSTEMS #3	William H. Shook		
LM SYSTEMS	James E. Hannigan		
FLIGHT ANALYSIS OFFICER	Tommy W. Holloway	Ted A. Guillory	Charles L. Stough
OPERATIONS AND PROCEDURES	Lawrence L. Armstrong Harley L. Weyer	Larry W. Keyser David F. Nicolson	Axel M. Larsen
FLIGHT DYNAMICS OFFICER (FIDO)	Edward L. Pavelka George C. Guthrie	Jay H. Greene	Philip C. Shaffer
GUIDANCE OFFICER (GUIDO)	Charley B. Parker Raymond F. Teague	Kenneth W. Russell	Granville E. Paules
RETROFIRE OFFICER (RETRO)	Jerry C. Bostick	Charles F. Deiterich	John S. Llewellyn
GUIDANCE NAVIGATION AND CONTROL	Gary E. Coen Richard B. Benson	John A. Kamman Neil B. Hutchinson	Briggs N. Willoughby
EECOM	John W. Aaron	Seymour A. Liebergot Thomas R. Loe	William C. Burton Charles L. Dumis

UNITED STATES GOVERNMENT

Memorandum

TO : See attached list

DATE: FEB 6 1969

FROM : FA/Director of Flight Operations

SUBJECT: Flight Control Manning for Apollo 9

1. Attached for information, guidance, and necessary action is the current manning list for MOCR/SSR badging for Apollo 9. In addition, the temporary badge requirements are identified by mission elements.

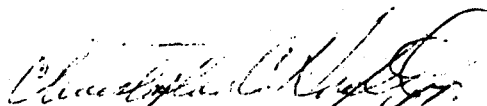
2. Action required:

a. Security Branch - Request mission badges be prepared as required.

b. Further, request names and security clearances be provided AFETR on flight controllers who will participate at these or associated installations.

3. All agencies requiring personnel access not listed in the attached manning list should submit a memorandum of justification and MSC Form 1872 to Mr. Cecil E. Dorsey, Flight Control Division, extension 2637. These should be submitted no later than two weeks before the mission.

4. Security will prepare badge request cards, MSC Form 1872, for the names listed on the enclosure to this memorandum. Subsequent badge requests will be submitted and approved as follows: Black A's by the undersigned or Mr. Sigurd A. Sjoberg; Red A's by the Flight Director as appropriate.


Christopher C. Kraft, Jr.

Enclosure



5010-108

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

804
078-22

MCC/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
DIRECTOR OF FLIGHT OPERATIONS	Christopher C. Kraft, Jr.		
FLIGHT DIRECTOR	Eugene F. Kranz	Gerald D. Griffin	M. P. Frank
ASSISTANT FLIGHT DIRECTOR	Charles R. Lewis Charles S. Harlan	Edward I. Fendell	Harold M. Draughon
BOOSTER SYSTEMS #1	William L. Brady R. Scott Hamner	Frank L. VanRensselaer	
BOOSTER SYSTEMS #2	Paul E. Dixon		
BOOSTER SYSTEMS #3	Don H. Townsend		
OPERATIONS AND PROCEDURES	William Molnar, Jr. Earl W. Thompson	James O. Covington	Larry W. Keyser
GUIDANCE OFFICER	William E. Fenner Granville E. Paules	J. Gary Renick C. Roger Wells	Willard S. Presley Charley B. Parker
RETROFIRE OFFICER	John S. Llewellyn Charles F. Deiterich	Bobby T. Spencer Jerry C. Elliott	James E. I'Anson
FLIGHT DYNAMICS OFFICER	H. David Reed Jerry C. Bostick	William J. Boone, III Edward L. Pavelka, Jr.	Maurice G. Kennedy Philip C. Shaffer
GUIDANCE NAVIGATION AND CONTROL	Neil B. Hutchinson John A. Kamman	Lawrence S. Canin William J. Strahle	Gary E. Coen
EECOM	Charles L. Dumis	Seymour A. Liebergot	Thomas R. Loe
INSTRUMENTATION AND COMMUNICATION (INCO)	William L. Wafford	Richard T. Brown	Joseph N. DeAtkine
NETWORK CONTROLLER	Ernest L. Randall	George M. Egan	Richard J. Stachurski
TV EDIT	Thomas W. Winston	Edward L. Worrell	

APOLLO 10 NEWS CENTER

HOUSTON, TEXAS

RELEASE #4

May 14, 1969

-- MISSION CONTROL CENTER MANNING APOLLO 10

-- RECOVERY SHIP MANNING APOLLO 10

<u>POSITION</u>	<u>SHIFT 1</u> <u>BLACK</u>	<u>SHIFT 2</u> <u>MAROON</u>	<u>SHIFT 3</u> <u>ORANGE</u>
DIRECTOR OF FLIGHT OPERATIONS	Christopher C. Kraft, Jr.		
FLIGHT DIRECTOR	Glynn S. Lunney Gerald D. Griffin	Milton L. Windler	M. P. Frank
ASSISTANT FLIGHT DIRECTOR	Perry L. Balick John H. Temple	Charles S. Harlan	Edward I. Fendell
OPERATIONS & PROCEDURES	Larry L. D. Armstrong Granvil A. Pennington	Axel M. Larsen	Harley L. Weyer
BOOSTER SYSTEMS ENGINEER 1	F. L. Van Rensselaer R. Scott Hamner	William L. Brady	Curtis D. Hanks
BOOSTER SYSTEMS ENGINEER 2	William J. Harris	Paul E. Dixon	Richard Palmer
BOOSTER SYSTEMS ENGINEER 3	James F. Park	William H. Hooper	William H. Shook
FLIGHT ACTIVITIES OFFICER	William M. Anderson	John W. O'Neill	Turnage R. Lindsey
LM/CONTROL	John A. Wegener	Harold A. Loden	Richard A. Thorson
LM/TELCOM	W. Merlin Merritt	William L. Peters	Jack Knight, Jr.
EXTRA-VEHICULAR MOBILITY UNIT	Ted A. White James E. Saultz, Sr.	William V. Bates Bruce H. Walton, Sr.	
FLIGHT DYNAMICS OFFICER	Philip C. Shaffer Jay H. Greene	George C. Guthrie Maurice G. Kennedy	William M. Stoval Jerry C. Bostick
RETROFIRE OFFICER	Thomas E. Weichel Charles F. Deiterich	James E. I'Anson	John S. Llewellyn Jerry C. Elliott
GUIDANCE OFFICER	Kenneth W. Russell Granville E. Paules Stephen G. Bales	William E. Fenner Raymond F. Teague	J. Gary Renick Charley B. Parker

MCC/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
NETWORK CONTROLLER	George D. Ojalehto	John A. Monkvic	Douglass R. Wilson
ASSISTANT NETWORK CONTROLLER	Dave A. Young	Robert Gonzales	Ronald L. DeCosmo
GUIDANCE NAVIGATION AND CONTROL/CSM	John A. Kamman Gary E. Coen	William J. Strahle Briggs N. Willoughby	Lawrence S. Canin
EECOM/CSM	William C. Burton	John W. Aaron Charles L. Dumis	Seymour A. Liebergot
INSTRUMENTATION AND COMMUNICATIONS (INCO)	Thomas L. Hanchett	Joseph N. DeAtkine	Richard T. Brown
SURGEON	Willard R. Hawkins, M.D.	John F. Zieglschmid, M.D.	Kenneth N. Beers, M.D.
PUBLIC AFFAIRS OFFICER	John E. Riley Brian Duff	Douglas Ward	Robert T. White
ASSISTANT PUBLIC AFFAIRS OFFICER	William G. Johnson	Charles A. Biggs	Edward L. Worrell
PHOTOGRAPHERS	Andrew R. Patnesky Gerald Bray	Charles Turner	Robert G. Bird
TV EDIT	Thomas W. Winston	Jon Rademacher	
AUDIO/TV COORDINATOR	Carl R. Hart		
CAPCOMS	Charles M. Duke Bruce McCandless, II	Joe H. Engle	Jack R. Lousma
BACKUP CREW	L. Gordon Cooper	Edgar D. Mitchell	Donn F. Eisele
CREW PROCEDURES	Michael R. Wash	Dickie K. Warren	

MCC/MOCR MANNING

POSITION

SHIFT 1

SHIFT 2

SHIFT 3

NASA HEADQUARTERS

MISSION DIRECTOR

George H. Hage

Chester M. Lee

Thomas H. McMullen

MISSION DIRECTOR STAFF

John K. Holcomb
George P. Chandler

Philip J. Bayer
Robert C. Turgeon

William M. Wallace
Fred E. Stout

VEHICLE SYSTEMS - LM

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
LM PGNS	Charles L. Gruby Herbert K. Fanning	Bernard A. Durand John L. Nelson	William W. Fink Floyd E. Page
LM AGS	Larry W. Strimble Edwin F. Marzano	Don G. Clark William E. Sturm	Darrell E. Stamper
LM PROP	Carroll E. Hopkins	Robert S. Nance	John E. Essing
LM PROP CONSUM	Vincent A. Fleming	Glenn W. Watkins	
LM EPS	Robert H. Haselmeyer	Fredrick R. Wentland	Robert D. Legler
LM COMM/INST	Hershel R. Perkins David W. Whittle	Lawrence S. Bourgeois J. O. Sayler	Harold L. Moore
LM ECS	Fred A. Frere Gary C. Watros	Monty S. Taylor	Quarance J. Patin, Jr.
LM EPS CONSUM	Leonard E. Nicholas	William D. Reeves	
LM ECS CONSUM	James F. Nelson	Harry Smith	

VEHICLE SYSTEMS - PLSS

PLSS MONITOR	William C. Young	Sergio O. Milian
PLSS #1 ENGINEER	Donald C. Eaton	Paul D. Nering
PLSS #2 ENGINEER	Henry E. Warden	George M. Bliss
EXPERIMENT MONITOR	Rhea Q. Linney	

VEHICLE SYSTEMS - BSE

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
BSE LOWER STAGE	Michael M. Harrington	Don H. Townsend	
BSE IBM MANAGER	Roy E. Day		
BSE GND	John I. Sigler		Rudy C. Tunello
BSE ACS	Paul A. Hoffman	Myron C. Hayes	Wayne Huning
BSE COMMAND	Daryl D. Anderson	John A. Smith	Rogert T. Goers
BSE ENS	M. Ray Coker		
BSE MDAC MANAGER	K. J. Patelski		
BSE STAGE SYSTEMS	A. A. Puccetti	Richard S. Catelle	
BSE CONSUMABLES	W. E. Greenshields	Sutton Graham	
BSE ENGINE SYSTEMS	T. E. Ward		

VEHICLE SYSTEMS - CSM

GUIDANCE & NAVIGATION	Frank J. Mussato William E. Price	Frank DiGenova Gerald P. Walsh	Richard A. Freund Charles T. Essmeier
PROPULSION	Joseph E. Borches Albert W. Barker	Orville J. Hokscho John E. Walsh	William G. Weppner Nathan J. Adams
EPS	Lyle M. Vande Zande William J. Moon	Myron S. Staggs Charles M. Jones	James J. Kelly Joseph L. Pringle
COMMUNICATIONS	James Ward	William P. MacGregor	W. Lawrence Wafford

FLIGHT DIRECTOR SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
PLANS	David F. Nicolson Joseph G. Fanelli	Paul G. Stockholm	Harold Black
FLIGHT CREW PROCEDURES	John R. Owen Gene E. Gentry	Elvin B. Pippert, Jr. Gerald L. Shinkle	Billy D. Pinkston
FLIGHT CREW EXPERIMENTS	Robert H. Nute	Alan C. Holt	Marion F. Griffin
FLIGHT CREW ANALYSIS MGR.	Helmut A. Kuehnel		
CLERICAL SUPPORT	Pat B. Dewey	Gloria G. Gammon	Charryl L. Brewer
MISSION REQUIREMENTS ENGINEER	Bobby L. Kyle	George I. Pettitt	
REQUIREMENTS CONFIGURATION CONTROLLER	James E. Wallace		
TELEMETRY SUPPORT	Joseph E. Johnston	Fred R. Sanders	
CALIBRATION SUPPORT	Edwin B. Beatty		
MAPPING	Lewis C. Wade John W. Dietrich Gary L. Gutschewski	Robert O. Hill Rigdon E. Joosten	Michael C. McEwen Merritt J. Bender
EXPERIMENTS SUPPORT	Richard K. Osburn	Gary A. Ransford	Dr. H. J. Schmitt*
TV EDIT	Richard W. Underwood	Herbert A. Tiedemann	
CMS/LMS INSTRUCTORS	Lonnie D. Cundieff	F. E. Hughes	Dale D. Traviss

* Requires MOCR Badge

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
CMC SUPPORT	John E. Williams, Jr. John R. Garman	Thomas F. Gibson, Jr. Claude D. Sykes	John W. Jurgenson
LGC SUPPORT	Peter S. Weissman	Rama M. Aiyawar	James A. Martin
MIT SUPPORT	Bruce McCoy	Philip G. Felleman	Thomas M. Lawton
AGS SUPPORT	G. R. Shook	K. L. Baker	A. R. Turley
TRAJECTORY SUPPORT CHIEF	Larry D. Davis Ronald D. Davis Charles E. Allday	Stanley D. Holzaepfel William R. Pruett	Ted L. Turner Hector Garcia
ENGINEERING AIDE	Retha M. Hanson	Margaret E. Crawford	Evelyn D. Lansford
ENTRY SPECIALIST	Jon Harpold	John K. Burton	Joseph Rogers
DATA MANAGEMENT	Michael A. Collins, Jr.		Richard E. Simms
RENDEZVOUS SPECIALIST	Kenneth A. Young	James D. Alexander	Robert R. Regelbrugge
MODE I ABORT SPECIALIST	Dallas G. Ives		
LAUNCH PHASE SPECIALIST	Edward M. Henderson		
MIDCOURSE SPECIALIST	Kenneth T. Zeiler	Quentin S. Holmes	Charles H. Drinnan
LOI SPECIALIST	Robert R. Wiley	George A. Weiskopf	
RTE SPECIALIST	Robert S. Davis Donald M. Gafford	William R. Lee Thomas P. Garrison	Donald R. Davis Frances M. Northcutt
MPAD REPRESENTATIVE	David H. Owen* William J. Bennett Emil Schiesser James McPherson	Edgar C. Lineberry Ronald L. Berry Robert E. Ernull Carl R. Huss*	John A. McAnulty John R. Gurley Richard P. Parten Claude Graves

*Require MOCR Badges

SSR/RTACF

POSITION

SHIFT 1

SHIFT 2

SHIFT 3

ENGINEERING AIDE

Linda A. Holden

Wendina D. Gray

Gil M. Tully

RUN COORDINATOR

James E. Frieble

HISTORICAL VOICE RECORD ROOM ("B" ACCESS)

SOUND ENGINEERS

Glenn R. Osborn

John E. McMurray

SPACECRAFT ANALYSIS SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
OPERATIONS MANAGER	Scott H. Simpkinson* Aaron Cohen*	Owen E. Maynard* Owen Morris*	James L. Tomberlin*
STAFF ENGINEER	Ronald W. Kubicki* John R. Sevier	John G. Zarcaro* Charles H. Glancy	Robert J. Ward*
TEAM MANAGER	Donald D. Arabian*	Sid C. Jones*	Joe W. Dodson*
ADMINISTRATIVE SUPPORT	Robert J. Bailey Herbert E. Tash	William C. Meacham Kenneth Vogel	Lynn A. York Curtis Collins
NORTH AMERICAN ROCKWELL REPRESENTATIVE	George Merrick	George Jeffs	Michael Vucelic C. Fetz
GRUMMAN REPRESENTATIVE	Thomas Kelley	H. Wright	J. Coursen
LM REPRESENTATIVE	Elmer L. Keesler* Donald R. Puddy*	Frank L. Edelin* Robert L. Carlton*	Charles V. Whitmore* James E. Hannigan*
CSM REPRESENTATIVE	Neil B. Hutchinson *	L. William Blair *	Thomas R. Loe *
FCD REPRESENTATIVE	Jones W. Roach*	Arnold D. Aldrich*	Melvin F. Brooks*
NORTH AMERICAN ROCKWELL ENGINEERS	F. M. Patterson	M. Silver	G. Spangler

* Require MOCR Badging

AEROMED SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
SEC	Charles M. Barnes Richard E. Benson	J. Veron Bailey	Edward D. Liles
ECS	Lloyd V. Howard Kenneth E. Haithcoat	George W. Conway John P. Byers	Larry E. Sheaks Hubert V. Gregan
SURGEON	Samuel L. Pool, M.D. Emmett B. Ferguson, Jr., M.D.	Clarence A. Jernigan, M.D.	Fredric F. Doppelt, M.D.
BIOMED ENGINEER	Don W. Mangold	Dan H. Taylor	Frank C. Buchwald Robert N. Hahn
DATA ENGINEER	Edward L. Mosley	Frank A. Michelli	
LOGISTICS OFFICER	Marvin A. Bernhard		
MEDICAL MONITOR	Joseph B. Anthony, M.D.		

RECOVERY CONTROL ROOM

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
RECOVERY COORDINATOR	Harold E. Granger	Edward C. Bullock	Ryborn R. Kirby
ASST. RECOVERY COORDINATOR	Charles C. Filley		
EVALUATOR	Charles R. Walker	William G. Robinson	Richard W. Blakley
STATUS	Richard D. Snyder	Alva L. Smith John W. Laugle	Charles D. Harris
LOGISTICS	Frank Janes		
POST-RECOVERY DOCUMENTATION	David H. Cordiner		
CLERICAL SUPPORT	Paula N. Jones M. Beth Grimsley		
DOD RECOVERY	Elwin W. Smith, Lt. Col. Theell S. Naegle, Maj. Kenneth Pitchford, Lt. Col.	Harvey E. Smith, Lt. Cdr. Larry E. Cook, Lt. Jerome C. Shaw, Capt.	John L. Painter, Lt. Cdr. Robert H. Dowd, Lt. Col.* Thomas Ormesher, Capt.
DOD RECOVERY - COMM	Morris F. Schwartz James A. Robinson	Thomas F. Samsel Paul A. Rafford	H. R. Lundy
DOD RECOVERY - PAO	Jerry L. Hayes, Lt.	Jack Battle, Lt.	John Rose, Col.
DOD FLIGHT SUPPORT MANAGEMENT - ARIA	E. W. Windle, Jr., Maj.	L. L. Jacobs, Maj.	Lutrelle G. Long, Capt.
DOD FLIGHT SUPPORT MANAGEMENT - APOLLO SHIPS	John P. Porter, Capt.	J. P. Baker, Capt.	

*Require Weather Room Badge

WEATHER ROOM

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
SPACE ENVIRONMENT CON. INSTR. SPEC.	S. N. Hardee	W. G. Davis	
SPACE ENVIRONMENT CON. DOSE SPEC.	T. T. White	A. C. Hardy	C. S. Warren
SPACE ENVIRONMENT CON. PHYSICS SPEC.	J. W. Snyder*	M. D. Lopez*	D. E. Robbins*
SPACE ENVIRONMENT CON. TEAM LEADER	R. G. Richmond**	J. R. Bates**	S. C. Freden**
SPACE ENVIRONMENT/FC	Billy T. Hervey	John D. Whitler	Gary B. Scott
SPACE ENVIRONMENT/DC	Charles M. Barnes	Vernon Bailey Richard E. Benson	Edward D. Liles
METEOROLOGIST	Alan N. Sanderson Edward F. Mitros Searl E. Richards	Richard K. Siler Kenneth Nagler	Roger K. Carter John Harper

* Require access to Flight Dynamics SSR

** Require Access to Aeromedical SSR

REAL-TIME COMPUTER COMPLEX

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
COMPUTER SUPERVISOR	Elden G. Clayton Terry D. Wickham	Joseph R. Hartt Paul C. Payne	Ralph T. Myers Donald E. Willis
DATA SELECT	Thomas M. Conway Freddy L. Cross	Michael R. Felix Lynn S. Wright	John L. Morrison Jose L. Saenz
COMPUTER COMMAND	Robert J. Donbroski Charles T. Jacobsen	Daniel G. Nichols Floyd H. Blackmon	Myron D. Dixon John D. Moore
COMPUTER TELEMETRY	H. Richard Segnar E. Mason Lancaster	Mennice G. Johnson Frederick Doerr	Roy M. Sparks Lawrence W. Knutson
COMPUTER DYNAMICS	R. Ray Reynolds George B. Johnson	Kenneth D. Leach Michael L. Banks	Raymond H. Smith Robert F. Balderston
SELECT SUPPORT	Howard G. DeVezin	Matthew M. Grogan	Wilbur R. Wollenhaupt

* Requires a MOCR Badge

CCATS

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
REAL TIME COMMAND CONTROLLER	Robert L. Chapman	Hank Jenkins	Bob C. Conner
COMMAND LOAD CONTROLLER	Don H. Baerd	Phil T. Heady	Eugene Isiah
CCATS COMMAND CONTROLLER	John D. Pride	John T. Bowen	Martin S. Sheridan
TELEMETRY INSTRUMENTATION CONTROLLER	Walter R. Hrab	Donald J. Flippin	Norman R. Talbott
CCATS TELEMETRY CONTROLLER	Gordon Straw	Orlis V. Pike	Art Reid
INSTRUMENTATION TRACKING CONTROLLER 1	Ed W. Pickett	Walter E. Soetaert	Kenneth D. McDonald
INSTRUMENTATION TRACKING CONTROLLER 2	Richard F. Robertson	Donald E. Halter	David Huddleston
INSTRUMENTATION TRACKING CONTROLLER 3	Thomas W. Sheehan		
DOCUMENTATION COORDINATOR	Bob Reaves	Celeste E. Head	Doris Kluge
COMMUNICATIONS CONTROLLER 1	Charles T. Ritchie	Steve D. Richards	Donald G. Snyder
COMMUNICATIONS CONTROLLER 2	Oliver E. Allen	Frank W. Pitts	Gerald L. Coppens
COMMUNICATIONS CONTROLLER 3	Al E. Smith	Raymond L. Smith	Marcus D. Garner
COMMUNICATIONS TECHNICIAN	Charles G. Nelson	Chester Brantley	Verlin L. Fox
HOUSTON TELEMETRY CONTROLLER	William M. Essl	Alden L. Tucker	Louis H. DeFore
DISPLAY TECHNICIAN	Lorimer A. Parker	Richard J. StMarie	Charles E. Smith

CCATS (CONT'D)

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
TECHNICAL OPERATOR	James V. Hovendick	Kendall L. Bleam	Jack V. James
INTERNAL VOICE CONTROLLER	Armando E. Gonzales	George E. Thomas	James A. Wilbarger
CP	Max C. Smith Carroll L. Taylor	Billy D. Janeway James H. Weaver	Billy B. Evans Robert Whitman

APOLLO 10 DEPLOYMENT LIST

USS Princeton (LPH-5)

Sail date: F-7 from Pearl Harbor, Sail date:

(Arnett)

PRS *D. E. Stullken F-6 Norfolk SRS 1 (W. Lant) DD

*A. E. Kilpatrick Rich
G. L. Richeson
(George)

(Tom) T. E. Holt

(Sherry) S. J. Berthiaume

(Walter) W. J. Stork F-12 Cape SRS 2 (VAN) AIS

J. R. Larey Vanguard
(James)

(Raymond) R. S. Watson Canaveral

(J. Milt) J. M. Heflin F-10 Norfolk SRS 3 (E. Lant) LPA

J. D. Holt Chilton
(J. Dennis)

* SRS 4 (AOL) MCS-2

L. D. Roberts Ozark
(Larry)

F-3 SRS 5 (M. Pac/EOM) DD

J. W. Williams Strauss
(James)

PEASE (New A. F. Meyers (Allen)
Hampshire)

* Sail date 4/28/69 from Charleston, S. Carolina,
Mr. Roberts will board ship at Rio de Janeiro on
5/11/69.

BDA (Bermuda) R. L. Brown (Ronald)

BDA/ASC. H. F. Breshears (H. Frank)
(Ascension Is.)

LAJES (Azores) D. E. Moore (Dale)

GUAM R. J. Simantel (Ronald)

HICKAM (Hawaii) W. A. Middleton (William)
E. B. Petrash (Edward)

RAMSTEIN P. J. Armitage (Peter)
(Germany)

ALBROOK (Panama) F. H. Wrinkle (Fred)

KUNIA (Hawaii) J. E. Hoisington (Jerry)
C. D. Anderson (Charles)

NORVA W. B. Wood (William)
(Norfolk, Va)

CAPE *R. H. Culbertson (Ralph)
K. N. Kuhlenschmidt (Keith)
C. M. Jones (C. Mac)

DEACTIVATION *H. J. Clancy (Harry)
P. H. Kruppenbacher (Paul)

ROCR (1) (2) (3)

Coordinator	H. E. Granger (Hal)	E. C. Bullock (Ed)	R. R. Kirby (Ryborn)
Asst. Coord.	C. C. Filley (Charles)		
Evaluator	C. R. Walker (Charles)	W. G. Robinson (W. Gary)	R. W. Blakley (Richard)
Status	R. D. Snyder (Richard)	A. L. Smith (Al)	C. D. Harris (C. Don)
Logistics	F. Janes (Frank)		

* Team Leader

UNITED STATES GOVERNMENT

Memorandum

TO : See attached list

DATE: JUN 30 1969

FROM : FA/Director of Flight Operations

SUBJECT: Flight Control Manning for Apollo 11

1. Attached for information, guidance, and necessary action is the current manning list for MOCR/SSR badging for Apollo 11. In addition, the temporary badge requirements are identified by mission elements.

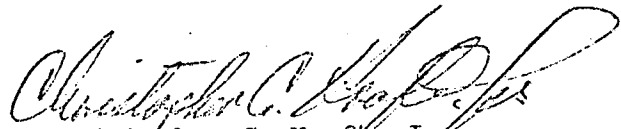
2. Action required:

a. Security Branch - Request mission badges be prepared as required.

b. Further, request names and security clearances be provided AFTER on flight controllers who will participate at these or associated installations.

3. All agencies requiring personnel access not listed in the attached manning list should submit a memorandum of justification and MSC Form 1872 to Miss Joyce E. Gaddy, Flight Control Division, extension 2637. These should be submitted no later than two weeks before the mission.

4. Security will prepare badge request cards, MSC Form 1872, for the names listed on the enclosure to this memorandum. Subsequent badge requests will be submitted and approved as follows: Black A's by the undersigned or Mr. Sigurd A. Sjoberg; Red A's by the Flight Director as appropriate.


Christopher C. Kraft, Jr.

Enclosure

INDEXING DATA

DATE	OFF	#	T	FCM	SUBJECT	SIGNATOR	LOC
			M	PL	(A0000)	KRAFT	078-66

MCC/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
DIRECTOR OF FLIGHT OPERATIONS	Christopher C. Kraft, Jr.			
FLIGHT DIRECTOR	Clifford E. Charlesworth Gerald D. Griffin	Eugene F. Kranz	Glynn S. Lunney	Milton L. Windler
ASSISTANT FLIGHT DIRECTOR	William E. Platt, Jr. Larry W. Keyser	Charles R. Lewis John H. Temple	Harold M. Draughon David E. Nicolson, Jr.	Charles S. Harlan
CCM/GUIDANCE, NAVIGATION & CONTROL	Gary E. Coen	Briggs N. Willoughby	William J. Strahle	John A. Kamman
CCM/RECOM	Charles L. Dumis	John W. Aaron	Seymour A. Liebergot	William C. Barton
CCM/INCO	Joseph N. DeAtkine Earl W. Thompson	Richard T. Brown (NAR) Edward I. Fendell	Thomas L. Hanchett (NAR) James R. Fucci (PHO)	
FLIGHT DYNAMICS OFFICER	H. David Reed	Jerry C. Bostick	Jay H. Greene Philip C. Shaffer	Edward L. Pavelka, Jr. William J. Boone
RETROFIRE OFFICER	John S. Llewellyn	Thomas E. Weichel	Charles F. Deiterich	James E. I'Anson Bobby T. Spencer
GUIDANCE OFFICER	Willard S. Presley Granville E. Paules C. Roger Wells	Kenneth W. Russell Charley B. Parker	William E. Fenner Stephen G. Bales	J. Gary Renick Jerry W. Mill
BOOSTER SYSTEMS ENGINEER - 1	R. Scott Hamner William L. Brady	Frank L. Van Rensselaer	Don H. Townsend	
BOOSTER SYSTEMS ENGINEER - 2	Paul E. Dixon (MDAC)	William J. Harris (MDAC)	Richard A. Palmer (MDAC)	
BOOSTER SYSTEMS ENGINEER - 3	William H. Hooper	J. Frank Park	John I. Sigler (IBM)	

APOLLO NEWS CENTER
HOUSTON, TEXAS

NEWS RELEASE #1

SUBJECT: Flight Controllers for Apollo 12

Centralized control of the Apollo 12 flight from launch to recovery will be provided by the Mission Control Center in Houston. The MCC will be manned around the clock by four teams of flight controllers and support personnel beginning at T-27 hours in the countdown for launch.

Real-time in-flight analysis of the mission as associated with trajectory and vehicle systems will be the flight control function of MCC.

The Apollo 12 mission director for the flight is Chester M. Lee, of the Apollo Program Directorate, Office of Manned Space Flight, NASA Headquarters. He will be responsible for the overall conduct of the mission.

Christopher C. Kraft, Jr., Director of Flight Operations, Manned Spacecraft Center, will man the Flight Operations Director Console in MCC during major phases of the mission in his capacity as head of Flight Operations at MSC.

Department of Defense support of the mission will be headed by Air Force Major Gen. David M. Jones, DOD manager, Manned Space Flight Support Operations, and Commander USAF Eastern Test Range. DOD support includes launch site services, tracking facilities and necessary forces for recovery operations.

Flight directors for the Apollo 12 mission will be Gerald Griffin, M. P. Frank, Clifford E. Charlesworth, and Glynn Lunney. They will be responsible for implementation of the mission objectives and making changes on an as-necessary basis that could affect the flight plan and/or mission rules.

Full time manning of MCC by flight controllers for Apollo 12 will begin with Griffin's team at T-27 hours in the countdown. Frank's team will takeover at T-19 hours and be relieved by Charlesworth's

-more-

Add 1
News Release #1

team of flight controllers at T-11 hours. Griffin and his team of controllers will report on site and take up positions at MCC consoles at T-3 hours for the launch phase of the Apollo 12 mission, and remain on duty until launch plus 6 hours.

Thereafter, the shift changes of the flight controller teams will normally be every eight hours, varying slightly as determined by the activities in the flight plan. The teams will normally come on duty about one-hour prior to the shift change and will be briefed by the team they relieve.

Assistant Flight Directors for Apollo 12 will assist the flight directors in the detailed control of the mission and assume responsibility during the absence of the flight director from the control room.

Booster Systems Engineers for the mission will be responsible to the flight director for monitoring the Saturn launch vehicle propulsion system, propellant containers and pressurization systems. They will also monitor and evaluate the status of the Saturn V digital computer system, navigation and guidance system, attitude control system and sequential system.

Operations and Procedures Officers for Apollo 12 will be responsible to the flight director and assistant flight director for detailed implementation of the MCC/MSFN mission control procedures and for coordinating and controlling the group displays and clocks in the control room.

Guidance Officers for the mission will be responsible to the flight director for monitoring sequential and propulsion systems.

Retrofire Officers for Apollo 12 will be responsible to the flight director for determination and transmission of retrofire time, either in the event of an abort, or the landing at the end of an orbit, or the landing at the end of the nominal mission.

Flight Dynamics Officers for the flight will be responsible to the flight director for monitoring the powered phase of the mission, orbital events, and trajectories from the standpoint of mission success.

-more-

Add 2
News Release #1

Guidance Navigation and Control Officers for Apollo 12 will be responsible to the flight director for monitoring spacecraft guidance and propulsion systems.

The Electrical, Environmental, and Communications Systems Engineers for the flight will be responsible for monitoring the operations of the command and service module electrical power system, the environmental control system, communications systems and instrumental and sequential system.

Instrumentation and Communications Officers for the mission will be responsible for assisting the EECOM in the instrumentation and communications area with the command and service module during the mission.

Network Controllers for the flight will be responsible to the flight director for capability of the network instrumentation required to support the flight.

LM/Control officers for Apollo 12 flight will be responsible to the flight director for monitoring the Lunar Module guidance and propulsion systems.

LM/Telcom officers for the mission will be responsible to the flight director for monitoring the operations of the lunar module electrical power system, the environmental control system, communications systems and instrumental and sequential systems.

Extravehicular Mobility Unit officers for Apollo 12 will be responsible to the flight director for monitoring consumables and evaluating systems performance of the PLSS (portable life support system).

Flight Activities officers for Apollo 12 will be responsible to the flight director for mission activities and timelines as related to the flight crew activities.

Surgeons for Apollo 12 will be responsible for advising the flight director of the crew's status during the flight. They will also keep the flight director informed of any obvious physical abnormalities noted.

-more-

Add 3
News Release #1

Capcoms for Apollo 12 will be responsible to the flight director for voice contact with the flight crew concerning details of the mission flight plan, flight procedures, mission rules and spacecraft systems.

Recovery coordinators for the Apollo 12 mission will be responsible to the flight director for coordination of all recovery activities and will head up the recovery team from their position in the Recovery Control Center in MCC.

Assignments around the world for Landing and Recovery personnel during the Apollo 12 mission will be as follows:

Onboard the prime recovery ship USS Hornet will be John C. Stonesifer, Fred C. Sponholz, Sheridan J. Berthiaume, Charles D. Anderson, Ronald J. Simantel, David E. Peterson, John K. Hirasaki, B. Randy Stone, Ralph H. Culbertson, Leroy A. Penn, and Frank Janes.

Onboard the SRS 1 (Secondary Recovery Ship), USS Hawkins, Arnett E. Kolpatrick; SRS 2, USS Austin, Charles R. Walker; SRS 3, USS Strauss, William B. Wood.

Norfolk, Virginia---Melvin L. Richmond

Ramstein, Germany---Charles C. Filley

Albrook, Panama---Laurence D. Roberts

KSC, Fla.---Ryborn R. Kirby, Keith N. Kuhlenschmidt, and C. Mac Jones

Hickam, AFB, Hawaii---William A. Middleton, and John B. Haughton

Bermuda---James W. Williams

Lajes AFB, Azores---Richard E. Coblentz

Pease AFB, N.H.---Edward B. Petrash

The deactivation team for the Apollo 12 spacecraft will be C. Mac Jones and Paul H. Kruppenbacher.

-more-

Add 4
News Release #1

MCC/MOCR MANNING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
DIRECTOR OF FLIGHT OPERATIONS	Christopher C. Kraft, Jr.			
FLIGHT DIRECTOR	Gerald D. Griffin	M. P. Frank	Clifford E. Charlesworth	Glynn S. Lunney
ASSISTANT FLIGHT DIRECTOR	John H. Temple James O. Covington	Larry W. Keyser Howard C. Johnson	Wm. E. Platt, Jr. Joe M. Leeper	Charles R. Lewis
OPERATIONS AND PROCEDURES	Lawrence L. Armstrong	Joseph P. Lazzaro	Joseph G. Fanelli (PHO)	Harold Black
INCO	Earl W. Thompson	James R. Fucci (PHO)	Edward I. Fendell	Harley L. Weyer
SURGEONS	Willard R. Hawkins, M. D.	John F. Zieglschmid, M. D.	George F. Humbert, M.D.	
FLIGHT DYNAMICS OFFICER	H. David Reed Jerry C. Bostick	William M. Stoval Philip C. Shaffer	William J. Boone Edward L. Pavelka	Jay H. Greene
RETROFIRE OFFICER	Jerry C. Elliott John S. Llewellyn	Bobby T. Spencer	Thomas E. Weichel	Charles F. Deiterich
GUIDANCE OFFICER	Willard S. Presley Stephen G. Bales Granville E. Paules	Kenneth W. Russell C. Roger Wells	William F. Fenner Raymond F. Teague	J. Gary Renick Charley B. Parker
CAPCOM	Gerald P. Carr David R. Scott D. K. Warren	Edward G. Gibson Alfred M. Worden J. O. Rippey	Paul J. Weitz James B. Irwin J. L. Lewis	Don L. Lind M. R. Wash

Add 5
News Release #1

MCC/MOCR MANNING CONT'D

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
FAO	Charles L. Stough Tommy W. Holloway	Spencer H. Gardner	Turnage R. Lindsey	John W. O'Neill
PUBLIC AFFAIRS OFFICER	John E. Riley	John E. McLeaish	R. Terry White	Douglas K. White
ASSISTANT PUBLIC AFFAIRS OFFICER	Ed Roden (AV)	Edward L. Worrell (AV)	Robert S. Cozens (AV)	Mattison L. Story
PHOTOGRAPHERS	Andrew R. Patnesky	Charles Turner (AV)	Robert G. Bird (AV)	Gerald Bray (AV) Glenn R. Osborn (AV) John M. Horton (AV)
TV EDIT	Thomas Winston (AV)	Jon Rademacher (AV)	Bob Scott (AV)	
AUDIO/TV COORDINATOR	Carl R. Hart			
CSM - GNC	Briggs Willoughby	William J. Strahle	Gary E. Coen	Lawrence S. Canin
CSM - ELCOM	John W. Aaron	Charles L. Dumis	Seymour A. Liebergot	William C. Burton
LM - CONTROL	John A. Wegener	Richard A. Thorson Jackson B. Craven	Harold A. Loden	Larry W. Strimple Robert L. Carlton
LM - TELMU	W. Merlin Merritt	Donald R. Puddy Gary C. Watros	William L. Peters	Jack Knight

Add 6
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MCC/MOCR MANNING CONT'D

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
ALSEP NETWORK CONTROLLER	Joseph R. Vice Thomas W. Sheehan	Robert Gonzales (PHO) Larry D. Meyer (PHO)	Earl V. Carr (PHO) Robert L. Chapman	
NETWORK CONTROLLER	Ernest L. Randall Charles M. Horstman	David A. Young	Ronald L. DeCosmo George M. Egan (PHO)	
DOD NETWORK	L. L. Jacobs, Maj.	J. M. Ellzey LCol		
<u>NASA HEADQUARTERS</u>				
MISSION DIRECTOR	Thomas H. McMullen	John K. Holcomb	Fred E. Stout	
MISSION DIRECTOR STAFF	Paul Davis Philip J. Bayer	Robert Sheridan	William M. Wallace	
REPORT WRITER LIASON	Robert C. Turgeon			
PAO SUPPORT	Wm. J. O'Donnell			

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FLIGHT DYNAMICS SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
FLIGHT DYNAMICS OFFICER SUPPORT	Maurice G. Kennedy			
RETROFIRE OFFICER SUPPORT	James E. I'Anson			
GUIDANCE OFFICER SUPPORT	Jerry W. Mill			
RENDEZVOUS SUPPORT	James D. Alexander Alan L. DuPont	Ronny H. Moore William A. Sullivan		
RENDEZVOUS CONSULTANT	Jerome Bell Kenneth A. Young Robert R. Regelbrugge	Larry Hartley Robert Becker Edgar C. Lineberry		
RECONTACT SPECIALIST	Michael Donahoo	Marland Williamson		
POSTFLIGHT COORDINATION	Ernest D. Murrah	Frank J. Smith*		
POSTFLIGHT SUPERVISION	Donald J. Incerto*			
DATA MANAGEMENT	Michael A. Collins Richard E. Simms			
DESCENT SUPPORT	James H. Alphin Willis M. Bolt	Gilbert L. Carman	Richard J. LaBrecque	
ENGINEERING AIDE	Linda A. Holden (ITT)			
RUN COORDINATOR	Billy N. Ferguson (LEC)			

*Also Require SCA Badging

FLIGHT DYNAMICS SSR CONT'D

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
ASCENT SUPPORT	Joe D. Payne James V. West	Veit Hanssen	Charles R. Halliman	
GUIDANCE MONITOR	Richard O. Nobles	Aldo J. Bordano	Herbert S. Estes	
CONSUMABLES MONITOR	Arnold J. Loyd Richard M. Swalin	Samuel O. Mayfield Martin L. Alexander	Walter Scott	
ENTRY SUPPORT	John K. Burton Jon C. Harpold	David W. Heath	Ross Ferland	
LOI SUPPORT	Robert F. Wiley	George A. Weisskopf		
MIDCOURSE SUPPORT	Kenneth A. Zeiler	Quentin S. Holmes	Charles H. Drinnan (TRW)	
RTE SUPPORT	William R. Lee (TRW) Donald R. Davis (TRW)	Francis M. Northcutt (TRW) Robert S. Davis	Thomas P. Garrison (TRW) Donald M. Gafford (TRW)	
LAUNCH PHASE SPECIALIST	Edward M. Henderson			
LUNAR ABORT SPECIALIST	Charles E. Foggatt Dallas G. Ives			
TLI MONITOR	Charles T. Hyle			
TLI ABORT SPECIALIST	Curtis J. Laetz			
MODE I ABORT SPECIALIST	Samuel Newman			

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News Release #1

FLIGHT DYNAMICS SSR CONT'D

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
COMPUTER COORDINATOR	Charles E. Allday	Larry D. Davis		
MASS PROPERTIES SPECIALIST	Ted L. Turner .			
NR MISSION CONSULTANT	Knowles H. Henley (NR)			
GAC MISSION CONSULTANT	George Michos (GAC)			
TRW MISSION CONSULTANT	F. A. Evans (TRW)	Clarence W. Pittman (TRW)		
MPAD REPRESENTATIVE	Richard P. Parten	John R. Gurley		
MPAD CONSULTANT	Floyd V. Bennett Moises N. Montez Charlie C. Allen Robert H. Brown Robert E. Ernull Jerome D. Yencharis	Claude A. Graves James C. McPherson Carl R. Huss** Charles W. Pace Rocky Duncan John L. Norton (TRW)	Billy G. Taylor Emit R. Schiesser David H. Owen Ronald L. Berry Martin Jenness	
AGC SUPPORT	J. R. Garman Rama Aiyawar (MIT)	J. W. Jurgensen R. R. Covelli (MIT)	J. A. Martin Thomas F. Gibson, Jr.	C. D. Sykes John E. Williams
AGS SUPPORT	R. W. Carl	R. R. Spaulding	K. L. Baker (TRW)	C. Lincoln (TRW) G. Shook (TRW)

** Also Requires MOCR Badging

VEHICLE SYSTEMS - CSM

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
GUIDANCE AND NAVIGATION	William E. Price (NR) Richard B. Benson	Richard A. Freund (AC) William G. Weppner	Charles Essmeier Joseph N. DeAtkine	Frank DiGenova (PHO) F. J. Mussato (NR)
PROPULSION	Nathan Adams R. S. Watson	Orville J. Hokschi	W. C. Young	Joseph E. Borchers (NR) John E. Walsh (PHO)
EPS	James J. Kelly (NR) Steve McLendon	William J. Moon William P. MacGregor (PHO)	Richard T. Brown (NR) Charles M. Jones (NR)	Lyle M. Vande Zande (PHO) Myron S. Staggs (NR)
SECRETARIAL SUPPORT	Dorothy M. Hamilton Marilyn H. Garzon	Olivia D. Merrell	Beverly Hobbs	Maxine Kitay (GAC)

VEHICLE SYSTEMS - LM

LM PGNS	Bernard A. Durand	Floyd E. Page (GAC) Charles L. Gruby (PHO) Harlan Neuville (AC)	William W. Fink Herbert K. Fanning (AC)	John L. Nelson
LM AGS	Darrell E. Stamper	Don G. Clark (GAC)	Edwin F. Marzano	William E. Sturm (PHO)
LM PROP	Glenn W. Watkins	Carroll E. Hopkins	John E. Essing	Robert S. Nance
LM EPS	William D. Reeves	Leonard E. Nicholas	Robert D. Legler (PHO)	Robert H. Heselmeyer
LM INST	Hershel R. Perkins (PHO)		Lawrence S. Bourgeois	David W. Whittle
LM ENVIR	James F. Nelson (GAC)	Fred A. Frere (GAC)	Harry Smith (GAC)	Quarance J. Patin
PLSS	William V. Bates, Jr.	James A. Joki	William L. Wafford (PHO)	Waymon J. Stephens

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News Release #1

VEHICLE SYSTEMS - BSE

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
BSE - LSS	Michael M. Harrington	William Marlowe		
BSE - GND	John I. Sigler (IBM)	Rudy C. Tunello (IBM)		
BSE - ENS	M. Ray Coker (IBM)		Roger T. Goers (IBM)	
BSE - CMD	Daryl D. Anderson (IBM)			
BSE - ACS	Paul A. Hoffman (IBM)	Wayne F. Huning (MDAC)	William R. Davidson (MDAC)	
BSE - CONS	Sutton L. Graham (MDAC)	Paul A. Green (MDAC)	William E. Greenshields (MDAC)	
BSE - STG	Therald E. Ward (MDAC)	Arthur A. Puccetti (MDAC)		
BSE - ENG	Richard S. Cattelle (MDAC)	Maurice L. McNeely (MDAC)	Hugh A. Barnwell (MDAC)	
BSE - MDAC MGR	K. J. Patelski (MDAC)			
BSE - IBM MGR	William H. Shook (IBM)			
DATA GRAPHICS	Charles S. Howard			

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News Release #1

AEROMED SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
SURGEON	Samuel L. Pool, M.D.	Charles K. LaPinta, M.D.	George W. Hoffler, M.D.	
DATA ENGINEER	Edward L. Moseley	Frank Michelli		
LOGISTICS SUPPORT	Marvin A. Bernahrd	Roy Laird		
BIOMED ENGINEER	Robert N Hahn (B)	David C. Bradshaw (B)	Russell J. Kelly (B)	
CLERICAL SUPPORT	Frances Moore	Sharon Clarke	Donna L. Sanders Margery Weaver	
ECS	Larry E. Sheaks (NR) Craig Staresinich	John P. Byers (NR) Floyd E. Claunch (PHO)	George W. Conway (PHO) George M. Bliss	Kenneth E. Haithcoat (PHO) Hubert V. Gegan (NR)
EVA SUPPORT	John A. Rummel Lowell J. Nelson (B)	James M. Waligora Albert Cheek (B)	Lawrence Kuznetz Steven J. Vogel (B)	
AEROMED REPRESENTATIVES	H. Russell Hair*	William L. Tomkins		

*Also Require MOCR Badging

FLIGHT DIRECTOR SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
COMMUNICATIONS SUPPORT	Alan C. Glines Thomas L. Hanchett (NR)	J. O. Sayler (GAC) Gary B. Scott	Harold L. Moore (PHO) Granvil A. Pennington	
EXPERIMENTS SUPPORT	Robert T. Savely	Paul T. Pixley	Gary A. Ransford	
MISSION RQMT ENGINEER	Bobby L. Kyle	George I. Pettitt		
REQUIREMENTS CONFIGURATION CONTROL	James E. Wallace	Richard A. Hoover*	Donald O. Bray	
TELEMETRY SUPPORT	Joseph E. Johnston (PHO)	Fred R. Sanders (PHO)		
CALIBRATION SUPPORT	Edward B. Beatty			
MAPPING SCIENCES	Ken J. Hancock Robert O. Hill	Gary Gutschewski James H. Sasser	Harold L. Prior Lewis C. Wade	
RUNNER	Jackie Allee (LEC)	Maureen T. Ventura (LEC)		
PHOTOGRAPHIC TEC LAB	Richard W. Underwood	Herbert A. Tiedemann		
FPS - 1	Elvin B. Pippert, Jr.	William R. Killian (TRW)	R. Wood Calvert (TRW)	Robert K. Jefferies (TRW)
FPS - 2	Robert H. Nute	Marion F. Griffin	Gerald L. Shinkle	Alan C. Holt
CSM PROCEDURES SUPPORT	David J. Strunk	Ronlad D. Huffman		
LM PROCEDURES SUPPORT	Normand F. Auger	W. R. Busch	Leon M. Vick (TRW)	
PHOTO SUPPORT	Helmut A. Kuehnel			
CLERICAL SUPPORT	Jimmye J. Ruiz (ITT)	Christine M. Rizzo (ITT)	Patricia B. Dewey (ITT)	Dixie M. Scurlock (ITT)

* Also Require MOCR Badging

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News Release #1

	<u>SPAN SSR</u>			
<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
CSM SPAN SUPPORT	L. Wm. Blair (NR)*	Thomas R. Loe*	John A. Kamman*	Neil B. Hutchinson*
SECRETARIAL SUPPORT	Katherine Spencer			Alandra Y. Brady
SPAN MANAGER	Scott H. Simpkinson*			
OPERATIONS MANAGER	Owen E. Maynard* John Zarcaro*	Aaron Cohen* Ronald Kubicki*	Owen Morris* John R. Sevier*	
TEAM MANAGER	Donald D. Arabian*	Sidney C. Jones*	Robert W. Malley*	Joseph Dodson*
ADMINISTRATIVE SUPPORT	Robert J. Bailey* Herbert Tash			
MISSION STAFF ENGINEER	Stanley Blackmer	Gordon Tevel Dahl (TRW)	James Peacock	Robert J. Ward
LOG MANAGER	E. B. Stewart	Raymond Southers	William Meacham	Joseph Haulbrook
DOCUMENT	Curtis C. Collins	James W. Rayl	Harold Davis George Poinier (B)	
NR MANAGEMENT REPRESENTATIVE	George Jeffs (NR)	Michael Vucelic (NR)	George Merrick (NR)	
GAC MANAGEMENT REPRESENTATIVE	Howard Wright (GAC)	Robert Carbee (GAC)		
LM SPAN SUPPORT	Charles V. Whitmore* (GAC)	James E. Hannigan* Frank L. Edelin* (GAC)	Elmer L. Keesler* (GAC)	
EVA - EMU	Robert E. Smylie			

* Als require MOCR Badging

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News Release #1

	<u>SPAN SSR</u>			
<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
FOD SPAN	Arnold D. Aldrich*	Melvin F. Brooks*	Jones W. Roach*	
MIT SPAN	Phil Felleman. (MIT)	Norman Sears (MIT)	George Silver (MIT)	Malcom Johnston (MIT)

*Also Require MOCR Badging

ALSEP SSR

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
ASE	Franklin W. Brizzolara Keith K. Kundel	James R. Gauthier	James F. Moser (PHO)	
SYSTEMS	Joseph L. James (PHO)	Donald J. McDonald (PHO)	Hubert I. Straw (PHO)	
DATA 1	Rhea Q. Linney	Paul D. Nering	Joseph Fuller	
DATA 2	Frank T. Mabley	David W. Owens	R. Lane Brown	
PLOTS	John H. Cooper	Richard C. Jacobs		
BENDIX REPRESENTATIVE	Robert R. Miley (BEN) Jack Dye (BEN)	Hank Reinhold (BEN)	Charles Weatherred (BEN)	
TRANSCRIPT SUPPORT	Josephine C. Corey	Maureen E. Bowen		
PRINCIPAL INVESTIGATORS	Norman G. Bailey (US) David L. Schleicher (US) J. Carroll (SWC) F. Johnson (SWC) G. Latham (DOH) Robert Shane (RICE)* Yosio Nahamura (DOH)* Frederick Duennebier (U/HAW)* A. Carraway J. B. Thomas Larry York*	R. M. Batson (US) E. M. Shoemaker (US) Hans Balsiger (RICE) D. Clay (JEL) W. McDonald (DOH) Ron Stebbings (RICE)* John Derr (MIT)* George Sutton (U/HAW)* W. D. Carrier C. Guderian (GE) E. Weeks Robert T. Carpenter (USA)	Dave Dahlem (US) E. Sutton (US) J. Freeman (RICE) Wayne Smith (RICE) L. Van Hemelrijck (DOH) J. Dorman (DOH)* Frank Press (MIT)* Robert Kovach (U/Stan)* T. W. Lambe (MIT) Wm. LeCroix M. McEwen Wm. C. Remini (USA)	T. Hait (US) G. Swann (US) Kent Hills (RICE) C. W. Snyder (JPL) Curt Michel (RICE)* M. Ewing (DOH)* Nati Toksoz (MIT)* J. K. Mitchell (U/Berk) R. F. Scott (Cal Tech) J. Sanders D. Evans W. W. Lauderdale (GE) Dixie Grimes G. J. Miatech C. P. Sonett
LSPO	G. P. Barnes (GE) A. Mitchell (GE)	J. Crane (GE) W. Stephenson	R. Fry (GE) J. Sulester	
CO-PRINCIPAL INVESTIGATORS	P. Dyal D. H. Morris (PHO)	P. Kleiman* K. Neier (Massey)*	K. Lewis* C. W. Parkin	

*Badg to be held until after LM Ascent

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News Release #1

ALSEP SSR CONT'D

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
PROJECT ENGINEERS	Ron Bradford (BEN)* Jim Freytag (BEN)* Lynn Lewis (BEN)* Clyde Murtaugh (BEN)* P. D. Gerke H. J. Lowery*	George Cripps (BEN)* Francis Heinz (BEN)* James McNaughton (BEN)* Doug Walters (BEN)* J. H. Grayson* T. J. Nelson	Don Eaton (BEN)* Ron Howell (BEN)* Robert Mercer (BEN)* Joe A. Chandler R. H. Grieder C. L. Newsome	Dave Fithian (BEN)* Gene Larson (BEN)* Norm Morgan (BEN)* J. L. Cioni * G. P. Kenney D. W. Wiseman
EXPERIMENTS OFFICERS**	Bruce H. Walton	James E. Saultz, Sr. Bernard R. Brabant (PHO)	Burton L. Sharpe	

DATA ANALYSIS -- SCIENCE ROOM

COURT REPORTERS	Donald Thacker (US)	Keith Welch (US)		
PRINCIPAL INVESTIGATORS	H. E. Holt (US) Hans Mark Sid Rozansky (BEN) T. Foss	E. Goddard (U/MICH) M. Neugebauer (JPL) Bernie Rusky (BEN) L. G. Bromwell (MIT)	Aaron Waters (U/Cal) Don Breseke (BEN) T. Harrington N. C. Costes (MSFC)	H. Cross Ron Redick (BEN) R. Irwin B. W. Holder

*Badges to be held until after LM Ascent

**Experiment Officers also require MOCR Badging

Add 18
News Release #1

CCATS

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
REAL TIME COMMAND CONTROLLER	Eugene Isaiah (PHO)	Hank Jenkins (PHO)	Glenn Spears (PHO)	
COMMAND LOAD CONTROLLER	Al Heinz (PHO)	Don H. Baerd (PHO)	John D. Pride (PHO)	
CCATS COMMAND CONTROLLER	Martin Sheridan (PHO)	John T. Bowen (PHO)	Fred H. Wrinkle	
TELEMETRY INSTRUMENT- ATION CONTROLLER	Donald J. Flippin (PHO)	August Degner (PHO)	Wayman Boatman (PHO)	
CCATS TELEMETRY CONTROLLER	Robert V. Grilli (PHO)	Layton A. B. Klotz	O. V. Pike (PHO)	
INSTRUMENTATION TRACKING CONTROLLER-1	Walter E. Soetaert (PHO)	Kenneth D. McDonald (PHO)	Richard F. Robertson (PHO)	
INSTRUMENTATION TRACKING CONTROLLER-2	John J. Blackburn (PHO)	Donald E. Halter (PHO)	Roger W. Williams (PHO)	
INSTRUMENTATION TRACKING CONTROLLER-3	R. J. Reining	George T. Williams (PHO)		
DOCUMENTATION COORDINATOR	Harold E. Smoak (PHO)	Doris Kluge (PHO)	Celeste E. Head (PHO)	
COMMUNICATIONS CONTROLLER - 1	Charles T. Ritchie	Steve D. Richards (PHO)	Donald G. Snyder (PHO)	
COMMUNICATIONS CONTROLLER - 2	Oliver E. Allen (PHO)	Frank W. Pitts (PHO)	Al E. Smith (PHO)	

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News Release #1

CCATS CONT'D

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
COMMUNICATIONS CONTROLLER - 3	Gerald L. Coppens (PHO)	Raymond L. Smith	Marcus D. Garner	
COMMUNICATIONS TECHNICIAN	George E. Metcalf	Verlin L. Fox (PHO)	Charles Brantley (PHO)	C. Nelson (PHO)
HOUSTON TELEMETRY CONTROLLER	William M. Essl (PHO)	Louis H. DeFore (PHO)		
DISPLAY TECHNICIAN	Lorimer A. Parker (PHO)	E. I. Haney (PHO)	Charles E. Smith (PHO)	
TECHNICAL OPERATOR - 1	Jack V. James (PHO)	James V. Hovendick (PHO)	Kendall L. Blean (PHO)	
INTERNAL VOICE CONTROLLER	George E. Thomas (PHO)	James A. Wilbarger (PHO)	E. Gonzales (PHO)	
GCC	K. L. Faulk (PHO)	Richard D. Jeffers (PHO)	C. Biggers (PHO)	
CPC	David T. Myles David L. Pitts Billy D. Janeway	Donald R. LaCombe Billy B. Evans Fred A. Patterson	David A. Beckman Edward E. Quin Glyn R. LeBlanc	Max C. Smith Thomas J. Hankee

Add 20
News Release #1

REAL TIME COMPUTER COMPLEX

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
COMPUTER SUPERVISOR	E. L. Campbell (IBM) T. D. Wickham (IBM)	D. E. Willis E. G. Clayton	P. C. Payne (IBM)	J. E. Cools
DATA SELECT	C. T. Sheridan (IBM) R. D. Allen	E. L. Shinpaugh J. A. Layton (IBM)	F. L. Cross (IBM)	J. L. Saenz
DATA SELECT SUPPORT	Howard G. DeVezin Wilbur R. Wollenhaupt	Matthew M. Grogan Richard K. Osburn	Paul F. Flanagan Alan D. Wylie	
TELEMETRY	M. G. Johnson (IBM) L. W. Knutson	E. M. Lancaster J. W. Weidinger (IBM)	B. L. Corbett	C. G. Lytle (IBM)
DYNAMICS	M. R. Secundo (IBM) R. H. Smith (IBM)	R. J. Torres (IBM) R. B. Williams	R. C. Arndt	K. D. Leach
COMMAND	G. E. Myers (IBM) M. D. Dixon	C. W. Zinn	D. G. Nichols	C. T. Jacobsen (IBM)
ALSEP MISSION SUPPORT	Wm. L. Robinett (IBM) John J. Deacon (IBM)	Columbus R. Isabel (IBM)	John T. Hatch (IBM)	Roland D. Bingham (IBM)

Add 21
News Release #1

	<u>WEATHER ROOM</u>			
<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
METEOROLOGIST	Alan N. Sanderson* Searl E. Richards* Ken Nagler*	Richard K. Siler* Edward F. Mitros*	Roger K. Carter* Richard Urbank*	
SPACE ENVIRONMENT CONSOLE-INSTR. SPEC.	S. N. Hardee	W. G. Davis		
SEC - DOSE SPEC.	T. T. White	A. C. Hardy	C. S. Warren	
SEC - SOLAR PHYSICS SPEC.	J. W. Snyder**	M. D. Lopez**	D. E. Robbins**	
SEC - TEAM LEADER	R. G. Richmond***	J. R. Bates***	S. C. Freden***	
COMMUNICATIONS REP. FROM CODDARD	Leonard C. Manning			
SPACE ENVIRONMENT CONSOLE - AEROMED	Charles M. Barnes*** Robert English (K-S)***	Vernon Bailey*** Richard E. Benson***	Edward D. Liles (B)***	
SPACE ENVIRONMENT OFFICER	Billy T. Hervey Merril A. Lowe	J. Dennis Holt	Leonard G. Asher (PHO)	
DOD - DDMS WEATHER	Robert H. Dowd, LCol	Joseph K. Lambert, LCol		

* All these personnel Weather Bureau - ESSA

** Also Require Flt. Dyn. SSR Badging

*** Also Require Aeromed SSR Badging

Add 22
News Release #1

RECOVERY OPERATIONS CONTROL ROOM

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
RECOVERY COORDINATOR	Donald E. Stullken	Thomas E. Holt	Edward C. Bullock	
ASSISTANT RECOVERY COORDINATOR	Richard D. Snyder	Richard W. Blakley	William G. Robinson	
STATUS	James R. Larey			
LOGISTICS	James M. Heflin			
SECRETARIAL SUPPORT	Paula N. Jones Mary B. Grimsley			
DOD - DDMS RECOVERY SUPPORT	Elwin W. Smith, LCol. Jerry D. Harris, Maj. Robert R. Fife, LCDR	Harvey E. Smith LCDR Herman A. Spanagel LCDR Thell S. Naegle, Mau	W. R. Reynolds, Col. A. C. Brooks, Brig. Gen Saleem Aswad, Col.	
DOD - PAO	Jack M. Battle, Lt.	R. L. Peck, Lt.		
DOD - COMM	Morris F. Schwartz P. L. Rafford	Thomas L. Samsel H. R. Lundy	James A. Robinson	

#####

ASTRONAUTICS AND SPACE ADMINISTRATION
LANGLEY SPACECRAFT CENTER
HOUSTON, TEXAS 77058

1A

MAR 18 1970

MICROFICHED

AUG 29 1977

1071

MEMORANDUM TO: See attached list
FROM : DA/Director of Flight Operations
SUBJECT : Flight Control Manning for Apollo 13

1. Attached for information, guidance, and necessary action is the current manning list for MOCR/SSR badging for Apollo 13. In addition, the temporary badge requirements are identified by mission elements.

2. Action required:

a. Security Branch -- Request mission badges be prepared as required.

b. Further, request names and security clearances be provided AFETR on flight controllers who will participate at these or associated installations.

MICROFICHED

SEP 7 1977

3. All agencies requiring personnel access not listed in the attached manning list should submit a memorandum of justification and MSC Form 1872 to Mrs. Joyce E. AuBuchon, Flight Control Division, extension 2637. These should be submitted no later than two weeks before the mission.

4. Security will prepare badge request cards, MSC Form 1872, for the names listed on the enclosure to this memorandum. Subsequent badge requests will be submitted and approved as follows: Black A's by the undersigned or Mr. Howard W. Tindall; Red A's by the Flight Director as appropriate.

Sigurd A. Sjoberg
Sigurd A. Sjoberg

Enclosure

INDEXING DATA

DATE	OPR	#	T	PGM	SUBJECT	SIGNATOR	LOC
MAR 18 70	100C	\	M	APG FOP	(Jette)	SJOBERG	079-32

MOCC/NOCC MANNING

<u>FUNCTION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>	<u>SHIFT 4</u>
CHIEF OF FLIGHT OPERATIONS	Sigurd A. Sjoberg			
FLIGHT DIRECTOR	Milton L. Windler	Gerald B. Griffin	Eugene F. Kranz	Glynn S. Lunsford
ASSISTANT FLIGHT DIRECTOR	Harold M. Draughon David F. Nicolson	John W. Temple Charles S. Harlan	Joe M. Leeper Charles R. Lewis	Larry W. Keyser
INCC	✓ Thomas L. Hanchett (NR)	Granvil A. Pennington	Alan C. Glines	Gary B. Scott
PROCEDURES	Joseph A. Lazzaro	Earl W. Thompson	✓ James R. Fucci	
FLIGHT DYNAMICS OFFICER	Jay H. Greene Jerry C. Bostick	H. David Reed Philip C. Shaffer	William M. Stoval Edward L. Pavelka	William J. Boone
RETROFIRE OFFICER	Jerry C. Elliott John S. Llewellyn	Charles F. Deiterich	Bobby T. Spencer	Thomas E. Wasmel
GUIDANCE OFFICER	Stephen G. Bales C. Roger Wells Granville E. Paules	Kenneth W. Russell Charley B. Parker	William E. Fenner Raymond F. Teague	J. Gary Renick Willard S. Plesley
LM TELNO	Jack Knight	William L. Peters	Robert H. Heselmeyer	W. Merlin Merritt
LM CONTROL	John A. Wegener	Richard A. Thorson	Larry W. Strimple	Harold A. Loden
CSM GNC	Gary E. Coen	Briggs Willoughby	William J. Strahle	John A. Kamman
CSM EBCON	John W. Aaron	Seymour A. Liebergot	Charles L. Dumis	William C. Burton
SURGEON	Willard R. Hawkins, M.D.	John F. Zieglschmid, M.D.	Sam L. Pool, M. D.	
AEROMED REPRESENTATIVE	H. Russell Hair			

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS 77058

MICROFICHE

AUG 29 1977

JAN 5 1971

IN REPLY REFER TO: 70-FC12-33

MEMORANDUM TO: See list attached

FROM : FA/Director of Flight Operations

SUBJECT : Flight Control manning for Apollo 14

Attached for information, guidance, and necessary action is the current manning list for MOCR/SSR badging for Apollo 14. In addition, the temporary badge requirements are identified by mission elements.

Action required:

1. Security Branch: Request mission badges be prepared as required.

2. Further, request names and security clearances be provided AFETR on flight controllers who will participate at these or associated installations.

All agencies requiring personnel access not listed on the attached manning list should submit a memorandum of justification and MSC Form 1872 to Mr. Cecil E. Dorsey, Flight Control Division, extension 2637. These should be submitted no later than 2 weeks before the mission.

Security will prepare badge request cards, MSC Form 1872, for the personnel listed on the enclosure to this memorandum. Subsequent badge requests will be submitted and approved as follows: Black A's by the undersigned or Mr. Howard W. Tindall; Red A's by the Flight Director, as appropriate.

Sigurd A. Sjoberg
Sigurd A. Sjoberg

Enclosure

FC:CEDorsey:bld

INDEXING DATA

DATE	OFF	IN	FILE	SUBJECT	SIGNATURE	LOC
01-05-71	MSC	70-FC12-33	19	100	(1)	2

M. Pete Frank
File

KEY PERSONNEL ACCESS LIST FOR MISSION CONTROL CENTER*

AA Dr. Robert R. Gilruth
AB Dr. Christopher C. Kraft, Jr.
AC George W. S. Abbey
AD Lt. Gen. Frank A. Bogart
AP Brian Duff
Howard Gibbons
CA Donald K. Slayton
CB Col. Thomas P. Stafford
CF Warren J. North
DA Charles A. Berry, M.D.
Richard S. Johnston
Allen D. Catterson, M.D.
DD W. Royce Hawkins, M.D.
EA Dr. M. A. Faget
Aleck C. Bond
Robert A. Gardiner
FA Sigurd A. Sjoberg
Howard W. Tindall
Rodney G. Rose
Robert E. Ernull
FC Eugene F. Kranz
Jones W. Roach
Melvin F. Brooks
Glynn S. Lunney
M.P. Frank
Milton L. Windler
Gerald D. Griffin
FL Jerome B. Hammack
FM John P. Mayer
Carl Huss
FS Lynwood C. Dunseith
James M. Satterfield
James H. Moore
R. H. Jones
C. F. Drobkiewicz
Samuel D. Sanborn
Philip N. Barnes
William B. Easter (GSF-L)
KA Kenneth S. Kleinknecht
Clifford E. Charlesworth
NA Martin L. Raines
W. M. Bland
J. C. French

PA James A. McDivitt
Scott H. Simpkinson
Ronald L. Kubicki
TA Anthony J. Calio
Robert O. Piland
Dr. M. Gene Simmons

NASA HEADQUARTERS

George M. Low
Charles W. Mathews
Rocco Petrone
Chester M. Lee
John D. Stevenson
Alfred P. Alibrando
Dale D. Myers

DEPARTMENT OF DEFENSE

Maj. Gen. David M. Jones
Maj. Gen. James W. Humphreys
Colonel Kenneth J. Mask
Colonel Benjamin B. Gayle
Commander Robert P. Gaarder
Major John F. Rapp (ZR2)

* Updated for Apollo 14

MCC/MOCR TRAINING

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
Director of Flight Operations	Sigurd A. Sjoberg		
Flight Director	M. P. Frank G. S. Lunney	M. L. Windler	G. D. Griffin
Asst. Flt. Director	David Nicolson Charlie Harlan	James Covington Larry Keyser Charles R. Lewis	John Temple Barry Wolfer
INCO	Alan Glines Harold Black	L.L. D. Armstrong	Harley Weyer
Procedures	Joseph Lazzaro	Granville Pennington	Gary Scott
Flight Dynamics Officer	H. David Reed	William J. Boone, III	William M. Stoval Jay H. Greene
Retrofire Officer	Charles F. Deterich	Bobby T. Spencer	James E. I'Anson Jerry C. Elliott
Guidance Officer	Kenneth Russell	Williard Presley William Fenner	Gary Renick C. Roger Wells
LM TELMU	W. Merlin Merritt	Robert Heselmeyer	Jack Knight
LM Control	Larry W. Strimple	John A. Weggner	Richard A. Thorson
CSM GNC	Gary E. Coen Raymond S. Watson	John A. Kamman	Lawrence S. Canin Joseph N. DeAtkine
CSM EECOM	John W. Aaron J. Steve McLendon	Charles L. Dumis Craig Staresinich	Seymour A. Liebergot William J. Moon

Apollo 15 News Center
Houston, Texas

July 26, 1971

APOLLO 15 FLIGHT DIRECTOR

SHIFT CHANGES

Change of shift briefings will normally start about 15 to 20 minutes after the shift changes.

Monday	July 26	Midnight	Milton Windler	(Maroon Team)
Tuesday	"	27 8:00 a.m.	Glynn Lunney	(Black Team)
Tuesday	"	27 4:00 p.m.	Gerald Griffin	(Gold Team)
Tuesday	"	27 Midnight	Milton Windler	
Wednesday	"	28 8:00 a.m.	Glynn Lunney	
"	"	28 4:00 p.m.	Gerald Griffin	
"	"	28 Midnight	Milton Windler	
Thursday	"	29 7:00 a.m.	Glynn Lunney	
"	"	29 1:15 p.m.	Gerald Griffin	
"	"	29 11:00 p.m.	Milton Windler	
Friday	"	30 9:30 a.m.	Eugene Kranz	(White Team)
"	"	30 6:00 p.m.	Glynn Lunney	
Saturday	"	31 1:00 a.m.	Milton Windler	
"	"	31 7:15 a.m.	M. P. Frank	(Orange Team)
"	"	31 4:00 p.m.	Griffin (LM) - Kranz (CSM)	
"	"	31 10:00 p.m.	Glynn Lunney	
Sunday August	1	4:00 a.m.	Milton Windler	
"	"	1 2:00 p.m.	Griffin (LM) - Kranz (CSM)	
"	"	1 11:00 p.m.	Glynn Lunney	
Monday August	2	9:00 a.m.	Griffin (LM) - Kranz (CSM)	
"	"	2 5:00 p.m.	Milton Windler	
"	"	2 Midnight	Glynn Lunney	
Tuesday	"	3 8:00 a.m.	Eugene Kranz	
"	"	3 4:00 p.m.	Gerald Griffin	
"	"	3 Midnight	Glynn Lunney	
Wednesday	"	4 8:00 a.m.	Milton Windler	
"	"	4 5:00 p.m.	Eugene Kranz	
"	"	4 Midnight	Glynn Lunney	
Thursday	"	5 8:00 a.m.	Milton Windler	
"	"	5 4:00 p.m.	Gerald Griffin	
"	"	5 Midnight	Glynn Lunney	
Friday August	6	8:00 a.m.	Milton Windler	
"	"	6 4:00 p.m.	Gerald Griffin	
"	"	6 Midnight	Glynn Lunney	
Saturday	"	7 8:00 a.m.	Milton Windler	
"	"	7 4:00 p.m.	Eugene Kranz	

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
DIRECTOR OF FLIGHT OPERATIONS	Sigurd A. Sjoberg		
FLIGHT DIRECTOR	Gerald D. Griffin	Milton Windler	Glynn S. Lunney Eugene F. Kranz
ASS'T FLIGHT DIRECTOR	John H. Temple		
INCO	Gary B. Scott	E. I. Fendell	G. A. Pennington
OPS. & PROCEDURES	H. L. Weyer	A. C. Glines	L.L.D. Armstrong R. B. Ramsell
FLIGHT DYNAMICS OFFICER	J.H. Greene M.G. Kennedy	W.J. Boone	W.M. Stoval
RETROFIRE OFFICER	C.F. Deiterich E.L. Pavelka	B.T. Spencer J.E. I'Anson	J.C. Elliott
GUIDANCE OFFICER	K.W. Russell W.S. Presley	J.G. Renick	C.B. Parker
LM TELMU	R.H. Heselmeyer W.L. Peters	Jack Knight	W.M. Merritt
LM CONTROL	R.A. Thorson	J.A. Wegener	L. W. Strimple
CSM GNC	G.E. Coen R.S. Watson	J.A. Kamman L.S. Canin	J.N. DeAtkine
CSM EECOM	J.W. Aaron J.S. McLendon	S.A. Liebergot C.L. Dumis	W.C. Burton Craig Staresinich
SURGEON	W.D. Hawkins, M.D.	J.F. Zieglschmid, M.D.	M.K. Baird, M.D.

MOCR MANNING CONT

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SHIFT 2</u>	<u>SHIFT 3</u>
BOOSTER SYSTEMS ENG.-1	Frank Van Rensselaer	R. Scott Hamner	William Brady
BOOSTER SYSTEMS ENG -2	C. Dean Hanks	Mike Harrington	Ted Ward (MDAC) William Harris (MDAC)
BOOSTER SYSTEMS ENG -3	Don Townsend	Howell Hooper	Paul Hoffman (IBM) Roy Day (IBM)
PUBLIC AFFAIRS OFFICER	R. T. White	Douglas Ward,	John E. Riley
PAO ASSISTANT	K.D. Cockroft (Tec.)	E.W. Worrell (Tec.)	R.S. Cozens (Tec.)
DATA MANAGEMENT	E. Ray Hischke		
CAPCOM	J. P. Allen E.D. Mitchell A.B. Sheppherd, Jr.	C.G. Fullerton R.A. Parker R.F. Gordon, Jr.	K.G. Henize H.H. Schmitt (1) Vance D. Brand
NETWORK CONTROLLER	D.A. Young W. Soetaret (P) T.W. Sheehan	J.R. Vice J. Conditt (P) E.L. Randall	L. Meyer (P) F.H. Wrinkle C.M. Horstman
TV EDIT	Thomas Winston (Tec.)	Jeanne Thornton (Tec)	Elissa Decker (Tec)
PHOTOGRAPHER	A.S. Patnesky	Charles Turner (AV) R.G. Bird (AV)	Gerald Bray (AV)
CONTRACT SUPERVISOR	E.D. Marsden (Tec)		
AUDIO/TV COORDINATOR	Carl R. Hart		
WRITER/PRODUCER	H. D. Wiseman (AV)		

MOCR MANNING'TPOSITIONSHIFTSHIFTSHIFT

TV MANAGER

J. M. SATTERFIELD

SOUND ENGINEER

G. R. OSBORN (AV)

INDUSTRIAL-SAFETY

CURTIS N. WHITE

EXPERIMENTS OFFICER

G. D. GRIFFITH

J. .E. SAULTZ, SR.

R. H. KOOS

SKYLAB OJT

C. B. SHELLEY

C. R. HICKS

A. M. LARSEN

T. R. LOE

R. K. HOLKAN

M. A. LOWE

T. A. WHITE

L. A. DELUCA

ORBITAL SCIENCE OFFICER

H. M. DRAUGHON

F. W. BRIZZOLARA, JR.

ALSEP SENIOR ENGINEER

P. D. NERING, JR.

K. K. KUNDEL

SATCOM

B. R. BRABANT (PHO)

FAO

S. H. GARDNER

T. W. HOLLOWAY

C. S. STOUGH

J. W. O'NEILL

E. B. PIPPERT

FAO EVA

R. G. ZEDAKAR

J. H. COVINGTON

MOCR MANNING COMMIT

POSITION

SHIFT 1

SHIFT 2

SHIFT 3

NASA HEADQUARTERS

MISSION DIRECTOR

R. A. PETRONE (2)

C.M. Lee (2)

MISSION DIRECTOR STAFF

J. K. Holcomb (2)

E. W. Land (2)

J. T. McClanahan (2)

R. B. Sheridan (2)

W. M. Wallace (2)

P. J. Bayer (2)

Col. R.R. Hessberg (3)

U. H. Polking (2)

E. Mollenberg (2)

M. Malamut (2)

APOLLO INFO. DIRECTOR

William J. O'Donnell

DEPUTY APOLLO INFO DIR.

Howard Allaway

RECOVERY OPERATIONS CONTROL ROOM

<u>POSITION</u>	<u>SHIFT 1</u>	<u>SH. 2</u>	<u>SHIFT 3</u>
RECOVERY COORDINATOR	C. C. Filley	R. D. Snyder	F.C. Sponholz
ASST RECOVERY COORD.	M. C. Pettit	H. L. Flanagan	G. L. Richeson
STATUS	J. R. Hamlin		
LOGISTICS	T. E. O'Briant		
LRD CONSULTANT	Harold E. Granger(4)	W. B. McCowan J. D. Shannon	W. R. Chase D. E. Stullken
CLERICAL SUPPORT	Dorothy Poland	Shirley Glicken	
DOD-COMM	H. Randall Lundy John L. Nordbusch	Thomas F. Samsel Donald W. Applegate	Joe F. Golden Morris F. Schwartz
DOD-RECOVERY	Capt. Peter J. Wolfe LCol. Robert L. Clark, III Maj. Donald E. Alford	Col. Walker R. Reynolds Maj. John E. Shaeffer Lt. William F. Zuna	CDR Howard G. Smith Maj. Jerry D. Harris
DOD-PAO	Andrew J. Wood	Laurence H. Macauley	Lt. Barry S. Glickman Lt. Ronald T. Sconyers
DOD-WEATHER	LCol Albert E. Devitt LCol Jack L. Buckingham Brig. Gen. William H. Best	LCol Robert H. Dowd Col John W. Collens	Col Louis J. Neyland 2Lt Brian P. Severin

WEATHER ROOM

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
SPACE ENVIRONMENT CONSOLE	C.M. BARNES, DVM (3) V. BAILEY (3)	R.E. BENSON, DVM (3) R. ENGLISH (KEL/S) (3)	R. D. BROWN (KEL/S)(3)
METEOROLOGIST	A.N. ANDERSON (ESSA) KEN NAGLER (ESSA)	R.K. SILER (ESSA)	R.K. CARTER (ESSA) E. F. MITROS (ESSA)
RADIATION	J. DENIS HOLT JANIS PLESUMS	BILLY T. HERVEY JAMES E. WALLACE	VERNON BOWLING L.M. HIRSH (PHO) W.M. BEESON (MMC)
S&AD RADIATION	MANUEL LOPEZ ANDREI KONRADI	WILLIAM ATWELL T. T. WHITE	JOE SNYDER
NOAA RADIATION	JOHN MCKENNON DONALD E. ROBBINS	TAD SARGENT DON BAKER	GARY HECKMAN R. B. DOEKER
METEOROLOGICAL SUPPORT	RICHARD W. UNDERWOOD (4)		

FLIGHT DIRECTORS' CSR

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
COMM SUPPORT	C. P. Dopson (P) T. L. Hanchett (NAR) Alan Lee Briscoe	J. O. Sayler (GAC) J. D. Kaiser (P)	H. L. Moore (P) Harold Black
FCOB SUPPORT	C. S. Harlan (4)	C. R. Lewis (4)	P. L. Ealick (4)
FLIGHT CREW PROCEDURES SUPPORT	Mike Walsh(4)	Charles O. Lewis (4) J. O. Rippey (4)	Dickie Warren (4)
PHOTO REFS	K. J. Hancock	G. L. Gutschewski	M. C. McEwen L. C. Wade
FLIGHT PLAN SUPPORT	L. J. Riche R. W. CALVERT (TRW) B. R. HURLBUT (TRW) C. M. RIZZO (STC) M. F. GRIFFIN	E. M. LANCASTER R. C. MECKLEY (TRW) S. T. POLLOCK (TRW) M. C. JONES (STC) R. H. NUTE	L. M. VICK (TRW) D. E. HUTSON (TRW) P. B. DEWEY (STC) G. L. SHINKLE
POST. FLIGHT EVALUATION	H. A. KUEHNEL		
EVA SUPPORT	J. H. ROBERTS J. W. BILODEAU	T. O. MONTGOMERY (GE)	R. S. MILLICAN
LM SUPPORT	C. W. FLOYD (KSC)	W. R. BUSCH (KSC)	
CSM SUPPORT	J. E. SUNDRA (KSC)	L. D. CUNDIEFF (KSC)	

FLIGHT DYNAMICS SSR

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
APOLLO GUIDANCE COMPUTER	J. R. Garman R. Nativi (TRW) J. L. Norton (TRW)	W. Lychwick C. D. Sykes W. F. Harwood (TRW)	J. W. Mill W. S. Ankey J. A. Martin, Jr.
ABORT GUIDANCE SYSTEMS	K. Baker (TRW)	G. Gibson (TRW)	G. Shook (TRW) R. W. Carl
DATA MANAGEMENT	L. D. Davis	R. E. Simms	
DES/ASC SUPPORT	W. M. Bolt M. N. Montez	J. H. Alphin	B. G. Taylor
DESCENT SUPPORT	G. L. Carman		
ASCENT SUPPORT	J. D. Payne		
DEORBIT SUPPORT	J. C. Harpold	D. W. Heath	Robert Manders
LAUNCH ABORT	E. M. Henderson		
RTE SUPPORT	R. S. Davis	G. L. Norbraten	
MCC/LOI SUPPORT	Q. A. Holmes	R. G. Sanders	
RENDEZVOUS SUPPORT	A. L. DuPont	L.D. Hartley	
GUIDANCE SPECIALIST	A. J. Bordano	A. D. Long	
SELECT SUPPORT	J. C. McPherson (6)	E. R. Schiesser (6)	
NAVIGATION SUPPORT	P. T. Pixley T. J. Blucker	R. T. Savely	R. E. Ecklekamp
FSD SUPPORT	John E. Williams, Sr James A. Miller (4) James L. Cole (4)	John W. Jurgesen H. C. Otten (GAC) (2) Larry J. Dungan	M.C. Hayes (IPM) (2) D. L. Finley) (2)

VEHICLE SYSTEMS - CSM SSR

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
CSM G&N	FRANK DIGENOVA (PHO) R.D. LERDAL	F.J. MUSSATO (NAR) RICHARD FITTS	W.E. PRICE (NAR) R.A. FREUND (AC)
CSM PROP.	J.E. WALSH (PHO) W. ALMASSY (BDX)	J. E. BORCHES (NAR) B.A. LEVY (BDX)	T.W. SEMPLE J.E. CLARK (PHO)
CSM EPS	J.J. KELLY (NAR) R.B. LACHNEY	C.M. JONES (NAR) J. GORMAN (PHO)	R.T. BROWN (NAR) H.K. HOILAND (MMC)
CSM ECS	J.P. BYERS (NAR)	G.W. CONWAY (PHO)	J.R. WARD (NAR) L.E. SHEAKS (AIR)
CLERICAL SUPPORT		EDNA ROBERTS	O. DIANN MERRELL
SKYLAB OJT	R.C. WHITE	R.F. SCHULTHEISS	J.D. BLALOCK R.R. LANIER

VEHICLE SYNOPSIS - LM SSR

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
LM EPS	R. D. Legler (P) V. S. Ritchey	L. E. Nicholas	W. D. Reeves
PROP & RCS	S. O. Mayfield	H. Herwig (TRW)	
LM ECS	H. Smith (GAC) R. M. Swalin	F. A. Frere (GAC)	Q. C. Patin, Jr.
LM INST/PYRO	H. R. Perkins (P)	D. W. Whittle	
PLSS CONSUMABLES	L. A. Wible (HamS)		
PLSS - 1	W. V. Bates		
PLSS - 2	L. V. Minter (p)		
LM PROP	R. S. Nance	W. J. Stephens	G. W. Watkins
LM PROP CONSUMABLES	E. J. Keesler (GAC)		
LM AGS	D. G. Clark (GAC)	D. E. Stamper	W. E. Sturm (P)
LM PNGS	C. L. Gruby (P)	W. W. Fink	J. L. Nelson J. J. Conway
PNGS SUPPORT	H. K. Fanning (DCASO)		
CLERICAL SUPPORT	Dorothy M. Hamilton	Donna R. Daugherty	Maxine Kitay (GAC)
BYRONGENICS	P. Cantin		

VEHICLE SYSTEMS - BSE SSR

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
BSE - LOWER STAGE	William Marlowe		
BSE - CONSUMABLES	R. Cattelle (MDAC)		W. Best (MDAC)
BSE - STAGE	R. A. Palmer (MDAC)		
BSE - COMMAND	Daryl Anderson (IBM)	Roger Goers (IBM)	J. A. Smith (IBM)
BSE - ENS	R. D. Campbell (IBM)		
BSE - ENGINE	M. L. McNeely (MDAC)	Hugh Barnwell (MDAC)	
BSE - GND	T. W. Green (IBM)	Ned Dean (IBM)	
BSE - ACS	W. R. Davidson (MDAC)	Roy Shavers (IBM)	
SKYLAB OJT	D. J. Kessler	Francis A. Lane (AS&E)	
SPECTROMETERS	L. G. Asher (P)	L. M. VandeZande (P)	
OPTICS	C. K. Alford	J. R. Gauthier (4)	J. R. Bodmer
LUNAR ORBIT SUPPORT	Enoch Jones		

AEROMED S

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
SURGEON	G. F. Humbert, M.D.		S. L. Pool, M.D.
DATA ENGINEER	E. C. Moseley, Ph. D.		
LOGISTICS OFFICER	M. A. Bernhard (4)		
LOGISTICS SUPPORT	R. Laird		
BIOMED ENGINEER	B. J. Goss (Bo)	L. W. Cox (Bo)	T. A. Gottas (Bo)
AEROMED REPRESENTATIVE	W. Tomkins	K. F. Hecht (4)	
METABOLIC TEAM - EVA	J. M. Waligora	L. H. Kuznetz	
BIOMED ENGINEER - EVA	S. J. Vogel (Bo)	L. J. Nelson (Bo)	
CLERICAL SUPPORT	P. Johnson M. Weaver	J. Rogers S. Clarke	B. Leschber

SPACECRAFT ANALYSIS (SPAN) ROOM

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
SPAN MANAGER	Scott H. Simpkinson (7)		
OPERATIONS MANAGER	R. H. Kohrs (4) Aaron Cohen (4)	R. W. Kubicki (7) O. G. Morris (4)	J. R. Sevier (4)
ASST.-OPS: MANAGER	J. Lowe (4)	D. Nebrig (4)	G. Coultas (4)
TEAM MANAGER	Donald D. Arabian (4) J. Dodson (4)	S. C. Jones (4)	R. W. Malley (4)
FOD SPAN SUPPORT	Melvin F. Brooks (7)	Jones W. Roach (7)	
LM SPAN SUPPORT	H. A. Loden (4) J. E. Hannigan (4)	R. L. Carlton (4) C. V. Whitmore (GAC)(4)	D. R. Puddy (4)
CSM SPAN SUPPORT	A. D. Aldrich (4) L. W. Blair (NAR)	N. B. Hutchinson (4) W. J. Moon (4)	W. J. Strahle (4)
FDB SPAN SUPPORT	J. C. Bostick (4)	W. E. Fenner	P. C. Shaffer (4) S. G. Bales
MIT SPAN SUPPORT	P. G. Felleman S. L. Copps	G. L. Silver	R. A. Larson
MISSION STAFF ENGINEER	J. Peacock	S. Blackmer	D. Segna
ADMINISTRATIVE SUPPORT	R. J. Bailey (4)		J. W. Rayl
LOG MANAGER	J. Vyner	S. Weathersby	L. Wourms
DOCUMENTATION	G. Poiner (Bo)	H. Tash	D. Miller H. Davis
MPAD SUPPORT	R. L. Berry	J. R. Gurley	C. W. Pace M. A. Collins
GENERAL SUPPORT	K. J. Spencer	A. Y. Brady (NAR)	M. Kitay (G) 8)

SPACECRAFT ANALYSPAN) ROOM CON'TPOSITIONSHIFTSHIFTSHIFT

MANAGEMENT REP. (NAR)

G. Merrick

M. Vucelic

E. P. Smith

MANAGEMENT REP (GAC)

Williard Bischoff

F. Elliott

B. Catterson

MSFC REP FOR LRV

J. Sission

D. Arnett

A. Hughes
W. R. Perry

EVA

Richard E. Mayo

SCIENCE OPERATIONS ROOM - 314A

<u>POSITION</u>	<u>SHIFT</u>	<u>LEFT</u>	<u>SHIFT</u>
SCIENCE OBSERVER	J. W. Young (4)	T. K. Mattingly (4)	C. M. Duke (4)
MISSION DIRECTOR/SCIENCE SPT.	Lee Scherer (5)	William O'Bryant (5)	
HEADQUARTERS CHAIR	Donald Beattie	Edward Davin	
S&AD REPRESENTATIVES	W. W. Lauderdale (GE)	J. R. Bates	John Zarcaro (4)
MAGNETOMETER	P. J. Coleman, Jr. (UCLA)	R. C. Snare (UCLA)	C. Russell (UCLA)
BENDIX SUPPORT	Robert Miley	R. Keeley	
LGE	G. A. Swann (USGS) E. D. Jackson (USGS) E. W. Wolfe (USGS) J. E. Head (Belcom)	L. T. Silver (CIT) M. H. Hait (CIT) G. E. Ulrich (USGS) J. S. Loman (USGS)	R. L. Sutton (CIT) G. G. Schaber (CIT) W. R. Muehleberger (UT)
SKYLAB OJT	J. Marvin Walker	Glenn H. Cress	
SURFACE OPS ENGINEER	John H. Cooper	Burton L. Sharpe	
SURFACE SYSTEMS ENGINEER	S. W. Law (P)	J. F. Moser (P)	
SURFACE NAVIGATION	T. C. Newton (Bo)		
SURFACE TEAM	R. O. Pepin (U. of Minn)	N. W. Hinnners (Belcom)	W. C. Phinney D. W. Strangway

SATELLITE CONTROL M - 314B

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
AEC SUPPORT	William Remini		
ALSEP SYSTEMS ENGINEER	D. J. McDonald (P)	J. J. Nemec (P)	L. D. Toups
ALSEP DATA	C. R. Capps (Bdx)	H. A. Zook	
ALSEP NETWORK CONTROLLER	Paul Dell'Oso (6)	Robert Gonzales (P) (6)	E. V. Carr (p) (6)
CLERICAL SUPPORT	Josephine C. Corey	Maureen Bowen	
P&FS/Particles & Fields	K. A. Anderson (UC/Berk)	L. M. Chase (UC/Berk)	R. P. Lin (UC/Berk)
P&FS SYSTEMS	J. H. Jinkerson F. R. Troutman (TRW)	J. C. Baker (P) A. B. Sanchez	
PHOTO TECH DIV. SUPPORT	E. A. Decker (Tec)	T. W. Winston (Tec)	U. J. Thornton (Tec)
LUNAR SURFACE SUPPORT	Don Wiseman		
PI - CCGE	D. E. Evans	L. B. York	F. Johnson (UT) J. Carroll (UT)
LSM	Palmer Dahl (Ames)	C. W. Parkin (NRC)	J. S. Sobolik
SWS	C. W. Snyder (JPL)	D. R. Clay (JPL)	
SIDE	J. W. Freeman (Rice)	H. K. Hills (Rice)	W. A. Smith (Rice)
HFE	M. G. Langseth (Lamont-Doherty J. L. Chute Geo. Observ.) R. S. Perry		D. Crouch (MMC)
PSE	G. Latham (Lamont-Doherty W. McDonald Geo. Observ.) L. VanHemelrijck		

DATA ANALYSIS ROOM - 210

<u>POSIT.</u>	<u>SHIFT</u>	<u>IFT</u>	<u>SHIFT</u>
LGE (USGS)	J. C. Nuttall (USGS) R. L. Tyner B. L. Leesman	K. B. Larson V. S. Reed D. R. Thacker	R. M. Batson N. G. Bailey K. E. Welch
BENDIX REPS.	R. Bradford	J. Urban	
HEADQUARTERS CHAIR	Leland Casey George Esenwein	John Hanky Floyd Roberson	David Winterhalter George Clegg
SOILS	W. D. Carrier	W. N. Houston (UC/Berk)	
S&AD REPS.	G. P. Barnes (GE) R. Fry (GE) P. J. Stull A. E. Wechsler (A.D.Little)	J. E. Crane (GE) R. A. Moke S. P. Clark (Yale)	A. G. Mitchell (GE) R. R. Baldwin B. D. Smith (Bdx)
ORBITAL TEAM	C. Meyer	A. Konradi (9)	
MASS SPECTROMETER	J. H. Hoffman (UT)	R. R. Hodges (UT)	
PHOTO	L. Kosofsky H. Masursky (USGS)	D. Lloyd (Belcom) S. N. Hardee	F. El-Baz (Belcom)
ALPHA PARTICLE	P. Gorenstein (AS&E)	P. Bjorkholm (AS&E)	
GAMMA RAY	J. R. Arnold (UC/SDgo)	A. Metzger (JPL)	
X-Ray	I. Adler	J. I. Trombka	

CCATS

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
REAL-TIME COMMAND CONTROLLER	DONALD BEARD (PHO)	J. T. BOWEN (PHO)	HANK JENKINS (PHO)
GROUND COMMAND CONTROLLER	J. W. MAJOR (PHO)	K. W. FAULK (PHO)	
CCATS LOAD CONTROLLER	R. FLEMMING (PHO)	G. SPEAR (PHO)	G. WEST (PHO)
INSTRUMENTATION TRKING CONTR. #1	J. BLACKBURN (PHO)	T. WILLIAMS (PHO)	D. HALTER (PHO)
INSTRUMENTATION TRKING CONTR. #2	R. WILLIAMS (PHO)	R. CONNER (PHO)	M. SHERIDAN (PHO)
DOCUMENTATION CONTROLLER	H. SMOAK (PHO) J. WATSON (PHO)	D. KLUGE (PHO) J. FOXHALL (PHO)	E. LARIMORE (PHO)
CCATS COMMAND	J. PRIDE (PHO)	J. LEE (PHO)	A. HEINZ (PHO)
PCM TLM	G. R. FREEMAN (PHO)	L. DEFORE (PHO)	
TELEMETRY INST. CONTROLLER	R. GRILLI (PHO) A. DEGNER (PHO)	D. FLIPPIN (PHO)	W. BOATMAN (PHO)
DISPLAY CONTROL D/TV	L. A. PARKER (PHO)	E. I. HANEY (PHO)	G. SMITH (PHO)
CCATS TELEMETRY CONTROLLER	W. ESSEL (PHO)	E. BEATY (PHO)	R. BRISCOE (PHO)
TECHNICIAN OPERATOR # 1	S. A. SMITH (PHO) R. G. REED, JR. (PHO)	K. L. BLEAM (PHO)	J. V. JAMES (PHO)
TECHNICIAN OPERATOR #2,	B. W. COX	L. R. WHITAKER	R. M. HART R. W. HINSLEY
COMMUNICATIONS CONTROL # 1	C. T. RITCHIE	S. D. RICHARDS (PHO)	A. E. SMITH (PHO)
COMMUNICATIONS CONTROL # 2	M. G. GARNER	F. W. PITTS (PHO)	R. D. JEFFERS (PHO)
FOD TV EDITOR	E. A. TARKINGTON	J. C. WHITE	

CCATS CONT

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
COMMUNICATIONS TECHNICIAN	O. E. ALLEN (PHO) G. E. METCALF	V. L. FOX (PHO)	G. G. COPPENS (PHO)
SCHEDULING CONSOLE	J. M. MITRANO (PHO) S. J. HANNAH (PHO) W. C. ROBERTSON (PHO) D. R. STARBUCK (PHO)	M. F. ALLEN (PHO) J. E. JOHNSTON (PHO) G. E. SPOONER (PHO)	R. W. AMASON (PHO) R. J. REAVES (PHO) T. W. SAMMONS (PHO)
FMSR SUPPORT	R. D. NICKERSON (6) J. E. GREGAN (6)	W. E. QUINN (6) J. O. POLK (6)	P. J. WHELAN (6)
HOUSTON VOICE	C. BRANTLEY (PHO)	P. J. QUINT (PHO)	J. M. GRAHAM (PHO)
INTERNAL VOICE CONTROL	A. E. GONZALES (PHO)	G. E. THOMAS (PHO)	
FACS	C. N. CROUCH (PHO)	W. L. JONES (PHO)	
MCC POWER COORDINATOR	K. M. RAMKE	W. A. LODISH (PHO)	M. H. BAKER (PHO)
FSD SUPPORT	C. R. PARKER (6) J. D. WATKINS (6) D. L. PITTS (6)	D. R. LACOMBE (6) F. A. PATTERSON (6)	D. A. BECKMAN (6) B. B. EVANS (6)
FSD M&O REP.	E. E. QUIN (6)	M. C. SMITH (6)	T. J. HANKEE (6)
C. P. CONTROLLER	B. D. JANEWAY (6)	G. R. LEBLANC (6)	
COMM/TRACK SUPPORT	M. L. LEWING (Uni)	R. C. SMITH (Uni)	G. O. TRLICA (Uni)
TLM SUPPORT	J. M. BOWEN (Uni)	E. R. LITTLETON, JR. (Uni)	E. E. GILMORE (Uni)
CMD SUPPORT	J. R. FLOWERS (Uni)	G. A. GUTIERREZ (Uni)	J. B. CHAMBLESS, JR. (Uni)
PROCESSOR CONTROLLER			G. E. ORTEGO (Uni)

CCATS CON'T

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
M & O SUPPORT	T. B. HENDRICKS (Uni)	J. J. FOGARTY (Uni)	P. C. DONAHUE (Uni)
SCU OPERATOR	D. L. BILLINGSLEY (Uni)	M. S. ALLEN (Uni)	J. R. SEDITA (Uni)
COMPUTER "A" OPERATOR	L. A. HUTCHINSON (Uni)	M. M. CANO (Uni)	C. E. WOOD (Uni)
COMPUTER "B" OPERATOR	R. E. GEBERT, JR. (Uni)	R. L. WILLIAMSON (Uni)	M. T. SANDEL (Uni)
COMPUTER "C" OPERATOR	S. D. MILLER (Uni)	D. L. CLARK (Uni)	D. P. GILBERT (Uni)
UTILITY OPERATOR	J. B. BLAZEK, JR. (Uni)	R. W. HYLAND (Uni)	M. R. PAIGE (Uni)

RTCC

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
COMPUTER SUPERVISOR	R. T. MYERS (IBM) C. T. JACOBSEN (IBM)	E. L. CAMPBELL (IBM)	R. J. DONBROSKI (IBM)
DATA SELECT	F. L. CROSS (IBM) E. L. SHINPAUGH	J. D. VANCE R. R. SPAULDING	G. F. KENNEDY (IBM) G. N. LONG (IBM) E. LEWIS (IBM)
COMPUTER TELEMETRY	W. L. ROBINETT (IBM) C. G. LYTLE (IBM)	J. D. BAGWELL R. S. BECKMAN	F. DOERR (IBM) J. DAY (IBM) Daniel Nobra (IBM)
COMPUTER DYNAMICS	R. C. ARNDT R. B. WILLIAMS	R. J. TORRES (IBM)	K. D. LEACH D. E. GOOD (IBM)
COMPUTER COMMAND	M. D. DIXON (IBM) J. W. BORMANN	G. R. CHUMLEY (IBM) C. W. ZINN	K. W. DODD (IBM)
SELECT SUPPORT	H. A. PERKINS T. J. BLUCKER DAVID DVORKIN	H. G. DEVEZIN M. M. GROGAN W. L. SJOGREN (JPL)	W. R. WOLLENHAUPT R. K. OSBURN A. D. WYLIE
NAVIGATION SUPPORT	SAM CRIGLER (TRW)	MIKE GELBERG (TRW)	JIM DASHIELL (TRW)
SIM CHECKOUT	J. F. CHILDRESS (MMC)(10) J. L. PARKER (11)	D. F. SIMANTON (11)	K. F. HAMILTON (11) L. H. STYTLE (MMC) (10)
GODDARD REPRESENTATIVE	L. C. MANNING (12)		



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS 77058

REPLY TO
ATTN OF: FC(72-08)

NOV 1 1972

MEMORANDUM

TO: Distribution

FROM: FA/Acting Director of Flight Operations

SUBJECT: Flight Control Manning for Apollo 16

Attached for information, guidance and necessary action is the current manning list for MOCR/SSR badging for Apollo 16. In addition, the temporary badge requirements are identified by mission elements.

Action required:

1. Security Branch: Request mission badges be prepared as required.
2. Further, request names and security clearances be provided AFETR on flight controllers who will participate at these or associated installations.

All agencies requiring personnel access not listed on the attached manning list should submit a memorandum of justification and MSC Form 1872 to Mr. Cecil E. Dorsey, Flight Control Division, extension 2637. These should be submitted no later than 2 weeks before the mission.

Security will prepare badge request cards, MSC Form 1872, for the personnel listed on the enclosure to this memorandum. Subsequent badge requests will be submitted and approved as follows: Black A's by the undersigned or Mr. Howard W. Tindall; Red A's by the Flight Director, as appropriate.

Sigurd A. Sjoberg

Enclosure

Distribution: See attached list.

FC12:CEDorsey:mlf:3/10/72:2637

INDEXING DATA

DATE	OFF	#	I	FORM	SUBJECT	SIGNATOR	LOC
NOV 1 1972	MOC	FC(72-08)	M	AND	(Alone)	SJOBORG	080-23

KEY PERSONNEL ACCESS LIST FOR THE MISSION CONTROL CENTER*

AA Dr. Christopher C. Kraft, Jr.
 AB Mr. Sigurd A. Sjoberg
 AC Mr. George W. S. Abbey
 AE Dr. Robert R. Gilruth
 AP Mr. John W. King
 Mr. Howard Gibbons
 CA Mr. Donald K. Slayton
 Mr. Warren J. North
 CB Col. Thomas P. Stafford
 DA Mr. Richard S. Johnston
 DD W. Royce Hawkins, M.D.
 George G. Armstrong, M.D.
 EA Dr. Maxime A. Faget
 Mr. Aleck C. Bond
 Mr. Robert A. Gardiner
 ER Mr. Jerome B. Hammack
 FA Mr. Howard W. Tindall, Jr.
 Mr. Lynwood C. Dunseith
 Mr. Rodney G. Rose
 Mr. Robert E. Ernull
 FC Mr. Eugene F. Kranz
 Mr. Jones W. Roach
 Mr. Melvin F. Brooks
 Mr. M. P. Frank
 Mr. Milton L. Windler
 Mr. Gerald D. Griffin
 Mr. Charles R. Lewis
 Mr. Philip C. Shaffer
 Mr. Neil B. Hutchinson
 Mr. Donald R. Puddy
 FM Mr. John P. Mayer
 Mr. Carl R. Huss
 FS Mr. James C. Stokes, Jr.
 Mr. James M. Satterfield
 Mr. James H. Moore
 Mr. John W. Collins
 Mr. C. F. Drobkiewicz
 Mr. Samuel D. Sanborn
 Mr. Philip N. Barnes
 Mr. William B. Easter (GSF-L)
 KA Mr. Kenneth S. Kleinknecht
 Mr. Clifford E. Charlesworth

NA Mr. Martin L. Raines
 Mr. William M. Bland, Jr.
 PA Col. James A. McDivitt
 Dr. Glynn S. Lunney
 Mr. Ronald L. Kubicki
 Mr. Aaron Cohen
 Mr. Owen G. Morris
 SA Mr. John C. French
 TA Mr. Anthony J. Calio
 Capt. James A. Lovell

NASA HEADQUARTERS

Dr. James C. Fletcher
 Dr. George M. Low
 Dr. Rocco A. Petrone
 Mr. Charles W. Mathews
 Mr. Chester M. Lee
 Mr. Alfred P. Alibrando
 Mr. Dale D. Myers
 Mr. John P. Donnelly
 Mr. Charles J. Donlan
 Charles A. Berry, M.D.

DEPARTMENT OF DEFENSE

Maj. General David M. Jones
 Colonel Kenneth J. Mask
 Colonel Allen R. Vette
 Colonel Benjamin B. Gayle
 Commander Robert P. Gaarder
 Commander Howard G. Smith

MARSHALL SPACEFLIGHT CENTER

Mr. Leland F. Belew

* Updated for Apollo 16

MCC/MOCR MANNING

POSITION	SHIFT	SHIFT	SHIFT
Director of Flight Operations	H. W. Tindall, Jr.		
Flight Director	M.P. Frank P.C. Shaffer	E.F. Kranz D.R. Puddy	G.D. Griffin N.B. Hutchinson C.R. Lewis
Assistant Flight Director	B. M. Wolfer	J. H. Temple	
Flight Dynamics Officer	W.M. Stovall	J.H. Greene	W.J. Boone
Retrofire Officer	J.E. I'Anson	C.F. Deiterich	J.C. Elliott
Guidance Officer	K.W. Russell	W.S. Presley	J.G. Renick
CAPCOM	D.H. Peterson F.W. Haise, Jr. H.W. Hartsfield, Jr.	C.G. Fullerton S.A. Roosa A.W. England	J.B. Irwin E.D. Mitchell Maj. R.F. Overmyer
LM TELMU	Jack Knight, Jr. R.H. Heselmeyer	W.L. Peters	W.M. Merritt
LM Control	L.W. Strimple	R.A. Thorson	J.A. Wegener
NETWORK Controller	F.W. Wrinkle L.D. Meyer (Pho)	D.A. Young T.W. Sheehan	C.M. Horstman J.M. Conditt (Pho)
PAO	J. E. McLeaish J. E. Riley	D.K. Ward D.J. Green	R.T. White
PAO Assistant	R.S. Cozens (Techni) J.C. Harrison (Techni)	E.L. Worrell (Techni)	T.W. Winston (Techni)
Photo Tech Div. Rep.	R.W. Underwood		
Contract Supervisor	E.D. Marsden (Techni)	M.J. Haxton (Techni)	



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS 77058

REPLY TO
ATTN OF: FC (72-46)

OCT 13 1972

MEMORANDUM

TO: Distribution

FROM: FA/Director of Flight Operations

SUBJECT: Flight Control Manning for Apollo 17

MICROFICED

AUG 29 1971

Attached for information, guidance, and necessary action is the current manning list for MOCR/SSR badging for Apollo 17. In addition, the temporary badge requirements are identified by mission elements.

Action required:

1. Security Branch: Request mission badges be prepared as required.
2. Further, request names and security clearances be provided AFETR on flight controllers who will participate at these or associated installations.

All agencies requiring personnel access not listed on the attached manning list should submit a memorandum of justification and MSC Form 1872 to Mr. Cecil E. Dorsey, Flight Control Division, extension 2637. These should be submitted no later than 2 weeks before the mission.

Security will prepare badge request cards, MSC Form 1872, for the personnel listed on the enclosure to this memorandum. Subsequent badge requests will be submitted and approved as follows: Black A's by the undersigned or Mr. Lynwood C. Dunseith; Red A's by the Flight Director, as appropriate.

Howard W. Tindall
Howard W. Tindall

Enclosure

Distribution:
See attached list.

FC12:CEDorsey:mlf:9/29/72:2637

INDEXING DATA							SIGNATOR	LOC
DATE	OPR	#	T	PCM	SUBJECT			
10-13-72	MSC	FC(72-46)	07	APC	(Above)		TINDALL	080-41

KEY PERSONNEL ACCESS LIST FOR THE MISSION CONTROL CENTER*

AA Dr. Christopher C. Kraft, Jr.
 AB Mr. Sigurd A. Sjoberg
 AC Mr. George W. S. Abbey
 AE Dr. Robert R. Gilruth
 AP Mr. John W. King
 CA Mr. Donald K. Slayton
 Col. Thomas P. Stafford
 Mr. Warren J. North
 CB RADM Alan B. Shepard
 DA Mr. Richard S. Johnston
 DD W. Royce Hawkins, M.D.
 George G. Armstrong, M.D.
 John F. Zieglschmid, M.D.
 EA Dr. Maxime A. Faget
 Mr. Aleck C. Bond
 Mr. Robert A. Gardiner
 ER Mr. Jerome B. Hammack
 FA Mr. Howard W. Tindall, Jr.
 Mr. Lynwood C. Dunseith
 Mr. Chris C. Critzos
 Mr. Rodney G. Rose
 Mr. Robert E. Ernull
 Mr. Eugene Davis
 FC Mr. Eugene F. Kranz
 Mr. Jones W. Roach
 Mr. Melvin F. Brooks
 Mr. M. P. Frank
 Mr. Milton L. Windler
 Mr. Gerald D. Griffin
 Mr. Charles R. Lewis
 Mr. Philip C. Shaffer
 Mr. Neil B. Hutchinson
 Mr. Donald R. Puddy
 FD Mr. Richard P. Parten
 FM Mr. John P. Mayer
 Mr. Carl R. Huss
 FS Mr. James C. Stokes, Jr.
 Mr. James M. Satterfield
 Mr. James H. Moore
 Mr. John W. Collins
 Mr. C. F. Drobkiewicz
 Mr. Samuel D. Sanborn
 Mr. Philip N. Barnes
 Mr. William B. Easter (GSF-L)
 HA Mr. Clifford E. Charlesworth
 Mr. John Zarcaro
 KA Mr. Kenneth S. Kleinknecht
 Mr. Arnold D. Aldrich

LA Mr. Robert F. Thompson
 NA Mr. Martin L. Raines
 Mr. William M. Bland, Jr.
 PA Mr. Owen G. Morris
 Dr. Glynn S. Lunney
 Mr. Ronald L. Kubicki
 Mr. Scott H. Simpkinson
 Mr. Aaron Cohen
 TA Mr. Anthony J. Calio
 Capt. James A. Lovell, Jr.

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 Mr. Charles W. Mathews
 Mr. Chester M. Lee
 Mr. Alfred P. P. Alibrando
 Mr. Dale D. Myers
 Mr. John P. Donnelly
 Mr. Charles J. Donlan
 Charles A. Berry, M.D.

DEPARTMENT OF DEFENSE

Maj. General David M. Jones
 Colonel Allen R. Vette
 Colonel Benjamin B. Gayle
 Commander Howard G. Smith

MARSHALL SPACEFLIGHT CENTER

Mr. Leland F. Belew

* Updated for Apollo 17

MISSION OPERATIONS CONTROL ROOM (MOCR)
(GREEN BADGES)

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
FLIGHT DIRECTOR	Gerald D. Griffin	Eugene F. Kranz Neil B. Hutchinson	M. P. Frank, III Charles Lewis
ASS'T FLIGHT DIRECTOR	John Temple		
FIDO	Jay Greene Ronald Epps	William Stoval	William Boone, III
RETRO	Charles Deiterich Michael Collins	James I'Anson	Edward Pavelka
GUIDO	Willard S. Presley Jonny E. Ferguson	Kenneth W. Russell Brock R. Stone	Jerry W. Mill J. Gary Renick
LM/TELMU	W. Merlin Merritt	William L. Peters	Jack Knight, Jr.
LM/CONTROL	Richard A. Thorson	Larry Strimple	Harold Loden
PLSS-1			William V. Bates
INCO	Gary B. Scott Thomas L. Hanchett (NAR)	Alan C. Glines	Lawrence L. D. Armstrong Edward I. Fendell
O&P	Richard B. Ramsell William B. Wood	Granvil A. Pennington Maurice Kennedy	Kim Anson
CSM/GNC	Lawrence S. Canin	Gary E. Coen	Raymond S. Watson
CSM/EECOM	Charlie L. Dumis	John W. Aaron	William J. Moon
CAPCOM	Charles G. Fullerton Joseph P. Allen Charles M. Duke	Robert F. Overmeyer Alan B. Shepard Stuart A. Roosa	Robert A. Parker Thomas K. Mattingly John W. Young
TV MANAGER	James M. Satterfield		

SPACECRAFT ANALYSIS ROOM (SPAN)

(PINK BADGE UNLESS OTHERWISE INDICATED)

<u>POSITION</u>	<u>SHIFT</u>	<u>SHIFT</u>	<u>SHIFT</u>
SPAN MANAGER	Scott H. Simpkinson (1)		
FOD SPAN REPRESENTATIVE	Jay Honeycutt (1)	Melvin F. Brooks (1)	Jones W. Roach (1)
FDB SPAN SUPPORT	Stephen Bales (1)	Jerry C. Bostick (1)	Charlie B. Parker (1)
CSSB SPAN SUPPORT	Seymour A. Liebergot (1)	T. Rodney Loe (1) William Blair (NAR)(1)	John Kamman (1)
LSSB SPAN SUPPORT	Robert Carlton (1) Donald Bourque (1)	James Shannon (1) Charlie Whitmore (GAC)(1)	James Hannigan (1)
ORBITAL SCIENCE SUPPORT	Philip Shaffer (1)		Donald Puddy (1)
MPAD SUPPORT	Floyd V. Bennett	Jerome D. Yencharis Gene W. Ricks	Michael A. Collins Charles W. Pace
LRW SUPPORT	Bill Perry	Jim Sisson	
LOG MANAGER	Helen B. Statz James G. Prejean	John Wise Sam R. Weathersby	Florian B. Hopson Jeff Vyner
ASS'T OPERATIONS MANAGER	Daniel A. Nebrig		
OPERATIONS MANAGEMENT	Robert V. Battey (1) John R. Sevier (1) David R. Scott (1) Gary A. Coultas	Owen G. Morris (1) Richard H. Kohrs (1) Sidney C. Jones (1) Don Corcoran	Ronald Kubicki (1) Glynn S. Lunney (1) Jerry S. Lowe Jesse F. Goree
ASPO SPAN SUPPORT	Alfred A. Bishop	Arthur R. White	Robert J. Ward

Note (1) MOCR BADGE REQUIRED

ASTRONOMICAL JAN. 19, 1973

RECEIVED

JAN 11 1973

MEMO TO: Distribution

JAN 12 9 20 AM '73

FROM: FC/J. W. Roach

SUBJECT: Preliminary Skylab 1/2 Manning List

G 25/20 1-21

KA/KSK ✓
KA/ADA ✓
KA/JCS ✓
KA/CKW ✓
KA/WDW ✓
KD ✓
KM/A.T. ✓
KS ✓
KT ✓
KW ✓
BA12 ✓
BT ✓
BT6 ✓
FILES ✓

Attached for your review and utilization in the Skylab simulations is the preliminary Skylab manning list. We have identified as many positions and personnel as possible such that the majority of the positions will be manned for the upcoming simulations.

There are 4 orbital operations teams identified for Skylab 2. Personnel from team 5 will OJT during the Skylab 2 simulations and mission wherever practical, and will probably be used during subsequent missions. The Skylab 1 team has been identified in a separate column. Team 1 will be responsible for the launch, rendezvous, and entry phases of Skylab 2. This team will be combined with Team 3 for rendezvous activities and Team 2 for entry activities. Assigned personnel should be notified of their team assignment and their responsibilities to meet the appropriate simulations as well as team meetings in preparation for the Skylab missions.

Certain areas are not contained on the manning list. These are the Flight Surgeon, the MSC and MSFC Flight Operations Management Room assignments, the Network Controller and Instrumentation Support Team, and the RTCC Controllers. The Weather Support personnel should also be added.

It is requested that this information be supplied to the Chief, Flight Control Division, by January 19 such that the remainder of the manning list be completed and reviewed.

Enclosure

Distribution:

AC/G. W. S. Abbey
CB/R. L. Crippen
H. W. Hartsfield
W. E. Thornton
R. H. Truly
CG/J. W. Bilodeau
CG5/J. W. O'Neill
DA/R. S. Johnston
W. R. Hawkins
Weather/Sanderson

FA/H. W. Tindall
L. C. Dunseith
R. E. Ernull
FD/R. P. Parten
FS/J. C. Stokes
KA/K. S. Kleinknecht
A. D. Aldrich
FC/Branch Chiefs
Flight Directors
MO-F/R. S. Hanner
TA/A. J. Calio
V. R. Wilmarth
TF/R. B. MacDonald

#E-039

SL-2 ORBITAL OPERATIONS TEAM MANNING

	Manned Act/ Deact					Launch/ Activation	Launch/End/ Entry
MISSION	TEAM 1	TEAM 2	TEAM 3	TEAM 4	TEAM 5	SL-1	TEAM 4
MAIN DIRECTOR	Winkler/Lewis	Hutchinson	Puddy	Griffin	--	Puddy	Shaffer
AFCON	Crippen	Hartsfield	Thornton	Truly	--	--	Truly
NO	Anderson	Whitely	Hughes	Kaiser	--	Hughes	Kaiser
CHECKLIST	O'Neill	Holloway	Stough	P. Baker	--		
TIMELINE 1	Wilkins	Melacon	Clemen	Huffman	--		
TIMELINE 2	Gentry	Pickett	Abramovitz	Campos	--		
TIMELINE 3	Warco	Walker	Radcliff	Gross	--		
PAK	Haas	Cacioppo	Vick	Ramirez	--		
EXPI.O	H. Smith	Nute	Cornett	Griffin	--		
AEM LIAISON	Howe	Dahms	Holt	Flemming	--		
SOLIRO	Kotrc	Marrs	Easterly	Clapp	--		
EREIRO	Laski	Kelly	Schraufnagel	Lay	--		
WORKSHOP (PROC)	Hahne	Chanis	Plummer	Walker	--		
WORKSHOP (PLAN)	Ruda	Alee	Zock	Best	--		
STATUS	Motsko	Hutson	Miller	Scott	--		
STORAGE	Hoskins	(TBS)	((TBS))	(TBS)	--		
AEM	Renick	Wegener	Holkan	Nance	Stamper	Holkan	
PLANS	Holt	Walker, M.	Stamper/Gravett*	Blalock	Payne*		
DATA	Plesums	Legler	Chmielewski	Walsh	Warden	Chmielewski	
CORSEPEC	Hooper	Jambor	Dawson	Burne	Tatum	Dawson	
X-RAY	Dickinson	Lane	Bullington	Joshi	McCartney*	Bullington	
SPECS	Dillard	Stringham	Koch	Smith, G.	Swift*	Koch	
BLOMED	Cox	DeLuca	White, R.	Haselmeier		White, R.	
DATA	Johnson, A.	Wallace	Lanier	Franklin	Accola*		
SYSTEMS	Hahn	Haithcoat	Wegmann	Kindle	Edwards*		